Smonta molle per sospensioni Macpherson, linea CANVIK
Spring compressor for Macpherson suspension, CANVIK line

NEW

CANVIK PLUS
Cod. 03.031.21

MADE IN EU

Max Load 2250 kg

3 MONTHS PAYBACK TIME

CANVIK PLUS
Smontamolle di alta qualità

CANVIK PLUS
Easy-to-use high quality coil spring compressor

CANVIK PLUS lo smontamolle per sospensioni Macpherson più facile da usare che esista sul mercato. La protezione integrata, in resistente poliuretano, rende sicuro il bloccaggio dello smontamolle in una morsa da banco.

Carico massimo 2250 kg

CANVIK PLUS is one of the most user-friendly coil spring compressors in the market.
A built-in protective unit made from hard-wearing polyurethane makes it safe to clamp the spring compressor in a bench vice.

Max Load 2250 kg

Una manopola di regolazione grande ed ergonomica rende il posizionamento manuale delle flange facile e veloce.
Bloccaggio sicuro nella morsa da banco.

The large user-friendly and ergonomic adjusting handle makes manual positioning of the jaws fast and easy Safe clamping in the bench vice

CANVIK SAFE
Cod. 03.031.22

NEW

CANVIK SAFE
Gabbia di protezione per una maggiore sicurezza

CANVIK SAFE è un semplice e robusto dispositivo di protezione che migliora notevolmente la sicurezza e minimizza il rischio di lesioni, quando si lavora con apparecchi smontamolle.
CANVIK SAFE può essere posizionato su un banco o montato a parete ed è compatibile con lo smontamolle CANVIK PLUS

Al fine di garantire la massima sicurezza lo smonta molle è dotato di una spina di sicurezza per evitare sovraccarichi.
Sull'asse della vite può essere utilizzato un cricchetto. Per evitare il sovraccarico
regolare la coppia di serraggio al max. 180 Nm.

CANVIK SAFE
Protection device for improved safety

CANVIK SAFE is a simple and heavy duty protection device which
improves the safety considerably and minimizes the risk of injuries
when working with coil spring compressors.
CANVIK SAFE is a flexible solution for
bench or wall mount, and fits
for CANVIK PLUS coil spring compressor

Risky operation - Maximum safety
In order to ensure maximum safety the CANVIK PLUS coil spring compressor
is equipped with a safety pin to prevent overload.
An air ratchet can be used on the spindle. To avoid overload
use max. 180 Nm torque.

MAX 180 Nm

SCANGRIP
SAFETY CONCEPT

NEW

KIT A RICHIESTA - JAW ON DEMAND

BMW E39, E46,
RENAULT MEGANE II
TOYOTA AVENSIS

A
Cod. 03.031.23

MERCEDES CLASSE E

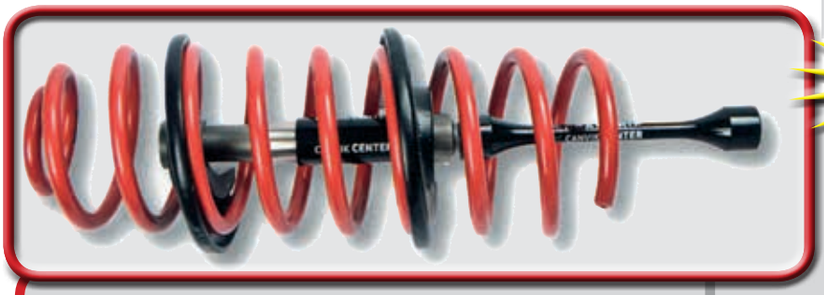
B
Cod. 03.031.24

MERCEDES CLASSE C

C
Cod. 03.031.25

Certificazioni
Certifications

TÜV PRODUCT SERVICE GS CE PCT



NEW

CANVIK center
Cod. 03.031.28

CANVIK CENTER
Lo smontamolle per sospensioni Multi Link più avanzato sul mercato

CANVIK CENTER è l'unico smontamolle universale sul mercato per questo tipo di sospensioni con flange angolate, appositamente progettato per migliorare la sicurezza e fornire la massima funzionalità.

CANVIK CENTER
State-of-the-art coil spring compressor for wishbone/multi-link suspension

CANVIK CENTER is the only universal coil spring compressor in the market for this kind of suspension with angled, specially designed jaws improving safety and providing maximum functionality.

Barra di torsione di sicurezza
Spesso sugli smontamolle vengono utilizzati le chiavi d'aria che comportano rischi di sovraccarico. Non è possibile utilizzare una chiave pneumatica direttamente sul CANVIK CENTER. Una chiave pneumatica può essere utilizzata solo in combinazione con l'apposita barra di torsione di sicurezza.
Questa evita il sovraccarico e rende sicuro l'utilizzo delle chiavi d'aria più potenti.
Allo stesso tempo la barra di torsione di sicurezza facilita il posizionamento corretto dell'utensile all'interno della molla durante l'operazione.

Unique Safety Torque Key
Often air wrenches are used on coil spring compressors which involves a risk for overload. It is not possible to use an air wrench directly on the CANVIK CENTER.
An air wrench can only be used in combination with the unique safety torque key which is specially developed and never previously seen. The torque prevents overload and makes it safe to use even powerful air wrenches for the operation.
At the same time the torque functions as extension unit making it easier, safer, and more convenient to position the tool correctly inside the spring during the operation.

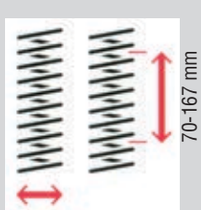
Il design del CANVIK CENTER è molto compatto, rendendo possibile l'utilizzo dello strumento su vetture con piccolo foro (fino a Ø30mm) nel braccio di controllo posteriore della molla.

Questo lo rende uno degli strumenti unici sul mercato per il lavoro su VW Touran, Citroën C3, Skoda Octavia, Peugeot 107.

The design of CANVIK CENTER is very compact, making it possible to use the tool on cars with very small hole in the rear spring control arm down to ø30mm.

This makes it one of the only tools in the market capable of handling for instance VW Touran, Citroën C3, Skoda Octavia, and Peugeot 107.

Dati tecnici / Technical Features



Max load	2500 kgs
Min distance between jaws	96 mm 70 mm
Min distance between jaws	96 mm 167 mm
Spring capacity with small flat jaws	Ø60-120 mm

Approvazione di sicurezza TÜV
TÜV Approved Safety

CANVIK CENTER è certificato TÜV per sostenere carichi estremamente elevati - ad un carico massimo di 2.500 kg che è sicuramente sufficiente per tutte le operazioni di smontaggio.
La barra di torsione di sicurezza impedisce il sovraccarico.

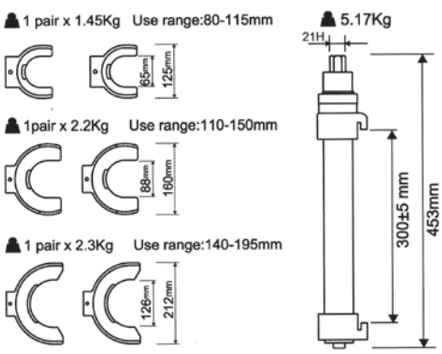
CANVIK CENTER is TÜV approved to sustain extremely high loads - to a maximum load of 2500 kg which is definitely sufficient for all dismantling operations.
The safety torque key prevents overload.

MARCO TOOLS

SS0020/2003
Cod. 03.031.01

SMONTAMOLLE PER SOSPENSIONI MACPHERSON

SPRING COMPRESSOR FOR MACPHERSON SUSPENSIONS
COMPRESSEUR DE RESSORTS MACPHERSON
FEDERAUSLÖSER FÜR MACPHERSON FEDERUNGEN
EXTRACTOR DE MUELLES PARA SUSPENSIONES MACPHERSON



DATI TECNICI:	TECHNICAL FEATURES:	DONNEES TECHNIQUES:	TECHNISCHE DATEN:	DATOS TÉCNICOS:
• Campo di lavoro ø molle 70-195 mm • Carico massimo 2.000 Kg. • Apertura minima 45 mm • Apertura massima 290 mm	• Spring range ø 70-195 mm • Maximum Loading 2.000 Kg. • Min Opening 45 mm • Max Opening 290 mm	• Emploi: ressorts ø 70-195 mm • Charge Max 2.000 Kg. • Ouverture Min. 45 mm • Ouverture Max. 290 mm	• Einsatzbereich Federn Ø 70-195mm • Max. Schub 2.000kg • Minimale Öffnung 45mm • Maximale Öffnung 290mm	• Campo de aplicación muelle 70 - 195 mm. • Carga màxima 2.000 Kg. • Abertura mìnima 45mm • Abertura màxima 290mm
La confezione standard in valigetta in ABS contiene: 1 Estrattore per molle, 1 coppia di staffe da 70 a 120 mm (F1) 1 coppia di staffe da 100 a 150 mm (F2) 1 coppia di staffe da 140 a 195 mm. di diametro (F3) 1 adattatore per molle coniche	The standard set in ABS case contains: 1 Spring extractor; 1 Couple of flasks from 70 to 120 mm; (F1) 1 Couple of flasks from 100 to 150 mm; (F2) 1 Couple of flasks from 140 to 195 mm; (F3) 1 adaptor for conic springs	La Confection Standard En coffret ABS Contienne: 1 Extracteur pour ressorts; 1 Couple de flasques de 70 à 120 mm de diamètre (F1) 1 Couple de flasques de 100 à 150 mm de diamètre (F2) 1 Couple de flasques de 140 à 195 mm de diamètre (F3) 1 adaptateur pour resorts conique	Der Standardsatz in ABS-Koffer schließt ein: 1 Auslöser für Federn 1 Paar Flanschen mit Ø von 70 bis 120mm (F1) 1 Paar Flanschen mit Ø von 100 bis 150mm (F2) 1 Paar Flanschen mit Ø von 140 bis 195mm (F3) 1 adapter für konische Federn	El kit estàndar en maletín de ABS incluye: 1 extractor para muelles 1 Par de copelas de 70 a 120 mm de diàmetro (F1) 1 Par de copelas de 100 a 150 mm de diàmetro (F2) 1 Par de copelas de 140 a 195 mm de diàmetro (F3) 1 adaptador para muelles cónicos

Cod. 03.031.14

Kit di 2 flange Ø 240 mm per Art. SS0020/2003
Per sospensioni anteriori di fuoristrada, station wagon

Kit of 2 flanges Ø 240 mm for Art. SS0020/2003
For front-wheel suspensions of all-terrain vehicles and station wagons

Kit composé par 2 brides Ø240mm pour Art. SS0020/2003
Pour suspension avant de voitures tout-terrain et familiales

Set von 2 FlanschenØ 240 mm für Art. SS0020/2003
Für Vorderaufhängungen von Geländewagen und Station Wagon

Kit de 2 bridas Ø 240 mm para Art. SS0020/2003
Para suspensiones delanteras de todo terreno y station wagon

BMW 7er (E38), Chrysler, Renault, GM-X &C, Lancia (Gamma)

KIT SMONTA MOLLE PER MERCEDES-BENZ

(sospensioni multilink)

SS0030

Cod. 03.031.02

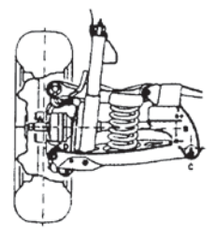
€

SPRING COMPRESSOR FOR MERCEDES-BENZ
(Multilink Suspensions)

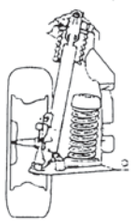
KIT POUR LE DEMONTAGE DES SUSPENSIONS MERCEDES-BENZ (Multilink)

FEDERNDEMONTAGE-SATZ FÜR MERCEDES-BENZ
(Multilink Federungen)

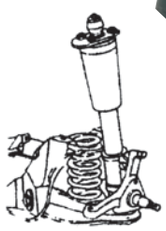
KIT DESMONTA-AMORTIGUADORES PARA MERCEDES-BENZ (Suspensiones multilink)



Mercedes, Renault, Peugeot

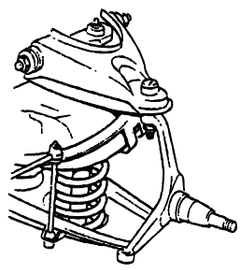


Mercedes, 124/201

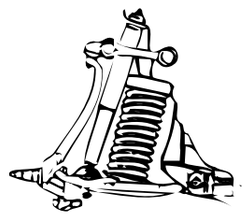


Mercedes, Ford USA

Ford, GM, Chrysler



Ford, GM, japanische Pkw's



Mercedes, 123/126

Composto da un albero di pressione telescopico e di 2 coppie di flangie é utilizzabile su molle di sospensione anteriori e posteriori dei modelli 116 123 - 124 - 126 - 129/ 201 e 4-MATIC e per tutte le sospensioni a trapezio.

This kit is equipped with a telescopic pressure piston and two couples of flanges.
It can be used with front and back-wheel suspension springs in models 116 - 123 - 124 - 126 - 129 - 201 and 4-MATIC, and also with all kind of trapezoidal suspensions.

Ce kit est composé d'un piston de pression télescopique et de 2 couples de flasques.
Il peut être utilisé avec suspensions antérieurs et postérieur des modèles 116 - 123 - 124 - 126 - 129 - 201 et 4-MATIC et pour les suspensions à trapèze.

Der Satz enthaltet eine Teleskoppresse und 2 Flanschpaare.
Er kann auf den vorderen und hinteren Federungen der Modelle 116 - 123 - 124 - 126 - 129 - 201 und 4-MATIC und für alle Trapezfederungen eingesetzt werden.

El kit incluye un pistòn de presiòn de forma telescòpica y dos parejas de copelas. Se puede utilizar con amortiguadores de suspensiones anteriores y posteriores de los modelos 116 - 123 - 124 - 126 - 129 -201 y 4-MATIC, y para todas las suspensiones de trapecio.

Cod. 03.031.12

14-16-17-18-19-21-22-24-27mm
Audi, BMW, Chrysler, Fiat, Ford, Honda, Nissan, Opel, Peugeot/Citroen, Renault, Seat, Rover, Toyota, Volvo, Volkswagen

KIT BUSSOLE SMONTAGGIO PIATTELLI
(MINI) 14 PEZZI

KIT OF BUSHES TO DISMOUNT PLATES (MINI) 14 PIECES

KIT DE DOUILLE POURS DÉMONTAGE PLATEAUX (MINI) 14 PIÈCES

KIT BUCHSEN DEMONTAGE PLATTEN (MINI) 14 STÜCK

KIT CASQUILLOS PARA DESMONTAR PLATILLOS (MINI) 14 UNIDADES

Pistola di gonfiaggio digitale “high quality”

Cod. 03.000.45

Hand held electronic inflator “high quality”

Corpo in alluminio, copertura in gomma
Separazione batteria
Display di ampia dimensione retroilluminato
Accuratezza ± 0,08 bar (± 1 psi)
Gamma misura 12 bar (175 psi)
Misura in PSI, BAR, KPA, KGF
Certificato di taratura INCLUSO (Foto B)

Pistolet de gonflage digitale „high quality“

Corps en aluminium, couverture en caoutchouc
Séparation batterie
Écran de grandes dimensions rétro-allumé
Précision ± 0,08 bar (± 1 psi)
Gamme de mesure 12 bar (175 psi)
Mesure en PSI, BAR, KPA, KGF
Certificat d’étalonnage inclus (Photo B)

Elektronisches Reifenbefüll-Handgerät “high quality”

Aus Aluminium, mit Gummi bedeck
Akkufach
Großes Display mit Hintergrundbeläuchtung
Genauigkeit ± 0,08 bar (± 1 psi)
Messbereich 12 bar (175 psi)
Messeinheiten: PSI, BAR, KPA, KGF
Kalibrierungszertifikat ablagern

Pistola de inflado digital „high quality“

Estructura de aluminio, cobertura de goma
Separación batería
Amplia pantalla retroiluminada
Precisión ± 0,08 bar (± 1 psi)
Gama medición 12 bar (175 psi)
Medición en PSI, BAR, KPA, KGF
Certificación de calibración incluido (Foto B)

KIT STETOSCOPIO COMBI

Cod. 05.043.02

CHASSIS EAR + TRACER EAR

Utilizzare Tracer Ear per individuare oring e cuscinetti difettosi del pistone, perdite di gas di scappamento, fili consunti con il tempo, perdite di aria e acqua e tutti i cigolii e i battiti in testa sotto il cofano.

Le sei pinze microfono estremamente sensibili consentono di sentire 6 posizioni sub-chassis in una prova su strada.
Il meccanismo è in grado di rilevare rumori che non possono essere riprodotti nel box.

Use Tracer Ear to detect detective
piston rings or bearings, leaking exhaust gases, cables in poor condition, air and water leaks, and
all those grinding and clicking sounds under the bonnet

The 6 microphone clamps are able to listen to 6 under-chassis locations in one road test. The mechanics can hear noises that cannot be duplicated in the stall.

Utiliser “Tracer Ear” pour rechercher les o-rings et les paliers défectueux du piston, fuites des gaz d’échappement, câbles détériorés du temps, fuites d’air et d’eau et tous les bruits et les cliquets sous le capot.

Les 6 pinces microphones extrêmement sensibles qui consentent d’écouter 6 positions sub-châssis pendant le test sur route. Le mécanisme peut relever bruits qui ne puissent pas être reproduits dans le box.

Der Tracer Ear deckt nicht nur defekte O-Ringe und Lager auf, sondern auch undichte Gas-, Luft – oder Wasserleitungen, beschädigte Kabel sowie verdächtig quietschende und klingelnde Betriebsgeräusche unter der Haube.

Der Satz beinhaltet 6 äußerst empfindliche Mikrofonklemmen, die beim Testfahren an sechs Stellen unter dem Wagen befestigt werden können. Die Mikrofone nehmen Geräusche auf, die in der Werkstatt nicht festgestellt werden können.

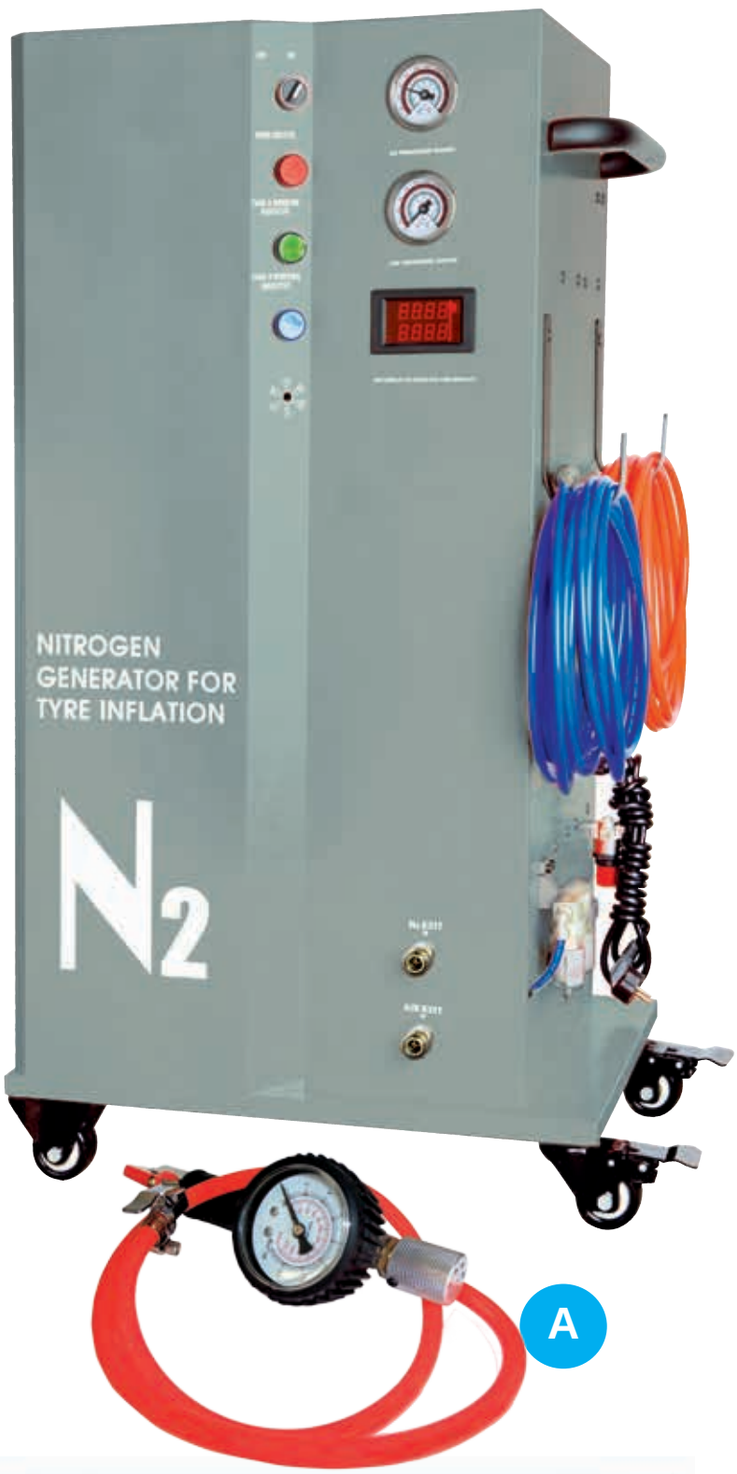
Utilizar Tracer Ear para localizar oring y cojinetes del pistón dañados, pérdidas de gas de escape, cables dañados, pérdidas de agua y aire y de todos aquellos repiqueteos y ruidos estridentes por debajo del capó.

Las seis pinzas micrófono de alta sensibilidad permiten oír 6 posiciones sub-chassis en una prueba en carretera.
El mecanismo es capaz de localizar ruidos que no se pueden reproducir en el box.

GENERATORI DI AZOTO PER GONFIAGGIO PNEUMATICI DI AUTO E VEICOLI COMMERCIALI (SISTEMA PSA)

NITRO "BASIC" 3000
Cod. 03.001.06

NITROGEN GENERATORS FOR CAR AND COMMERCIAL VEHICLE TYRE INFLATING (PSA SYSTEM)
GENERATEUR D'AZOTE POUR LE GONFLAGE DE PNEUS DE VOITURES ET FOURGONS (SYSTEME PSA)
STICKSTOFFERZEUGER ZUM AUFPUMPEN VON REIFEN FÜR PKW'S UND NUTZFAHRZEUGE (PSA SYSTEM)
GENERADORES DE NITRÓGENO PARA INFLAR NEÚMATICOS DE COCHES Y VEHÍCULOS COMERCIALES (SISTEMA PSA)



A

Pressione max. aria ingresso	10 bar (145 psi)
Pressione azoto in uscita	6÷8 bar (85 ÷ 116 psi)
Capacità	50 lt/1¹
Purezza minima	96%
Capacità serbatoio	50lt
Alimentazione	220V 50/60Hz
Accessori standard:	2 tubi + pistola per vuoto-gonfiaggio (A)

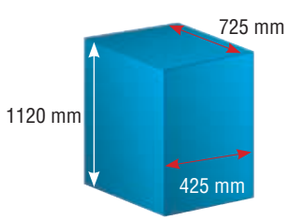
Max. inlet air pressure	10 bar (145 psi)
Outlet nitrogen pressure	6-8 bar (85 ÷ 116 psi)
Capacity	50 lt/1¹
Min. purity	96%
Tank capacity	50lt
Power supply	220V 50/60Hz
Standard accessories:	2 hoses + vacuum-inflating gun (A)

Pression Max. air en entrée	10 bar (145 psi)
Pression azote en sortie	6-8 bar (85 ÷ 116 psi)
Capacité	50 lt/1¹
Pureté minimum	96%
Capacité réservoir	50lt
Alimentation	220V 50/60Hz
Accessoires standard:	2 tuyaux avec pistolet de gonflage+vide (A)

Max. Luftdruck Eingang	10 bar (145 psi)
Stickstoffdruck Ausgang	6-8 bar (85 ÷ 116 psi)
Kapazität	50 lt/1¹
Minimale Reinheit	96%
Speicherkapazität	50lt
Stromversorgung	220V 50/60Hz
Standardzubehör:	2 Schläuche mit dem Vakuumerzeuger (A)

Presión max. de aire en entrada	10 bar (145 psi)
Presión de nitrógeno en salida	6-8 bar (85 ÷ 116 psi)
Capacidad	50 lt/1¹
Pureza mínima	96%
Capacidad del tanque	50lt
Alimentación	220V 50/60Hz
Accesorios estándar:	2 tubos y generador di vacio (A)

Idoneo per:
Suitable for:
Apte pour:
Geeignet für:
Apto para:



= kg 77

20"Full Conteiner: ____ pcs

Cod. 03.000.38

GONFIATORE ELETTRONICO PER USO INTERNO E ESTERNO
ELECTRONIC TYRE INFLATOR FOR INDOOR AND OUTDOOR USE
DIGITALES REIFENBEFÜLLGERÄT FÜR INNEN UND AUSSEBBEREICH
INFLADOR ELECTRÓNICO PARA USO DE INTERIOR Y DE EXTERIOR

- ✔ Pressione max. in entrata 10.5 bar/152 psi,
- ✔ accuratezza ±0.02 bar
- ✔ Tubo da 8 mt + valvola di gonfiaggio (A)
- ✔ Ideale per: centri servizi rapidi, noleggio auto, concessionari

- ✔ Max. Eingangsdruck: 10,5 Bar/152 Psi
- ✔ Genauigkeit: ±0,02 Bar
- ✔ Schlauch 8m mit Pumpenventil (A)
- ✔ Ideal für: Auto-Schnellservice, Autover mietungen, Autohändler

- ✔ Max. inlet pressure 10.5 Bar/152 Psi
- ✔ Accuracy: ±0,02 Bar
- ✔ 8 m hose with clip-on chuck (A)
- ✔ Ideal for: Quick Service Centers, Rental Car Facilities and Car Dealers

- ✔ Presión máx. En entrada 10.5 bares/152 psi
- ✔ Exactitud ±0.02 bares
- ✔ Tubo de 8 mt + válvula de inflado (A)
- ✔ Ideal para: centros servicios rápidos, alquiler de coches, concesionarias

Cod. 03.000.40

GONFIATORE ELETTRONICO AD ALTO FLUSSO USO INTERNO E ESTERNO
HIGH FLOW TYRE INFLATOR FOR INDOOR AND OUTDOOR USE
DIGITALES HOCHLEISTUNGS-REIFENBEFÜLLGERÄT FÜR INNEN UND AUSSEBBEREICH
INFLADOR ELECTRÓNICO DE FLUJO ELEVADO PARA USO DE INTERIOR Y DE EXTERIOR

- ✔ Pressione max. in entrata 13,0 Bar/188 Psi
- ✔ Collettore a 4 uscite + 4 tubi da 2 mt con valvole di gonfiaggio di serie (B)
- ✔ Può gonfiare fino a 4 pneumatici per volta
- ✔ Ideale per: gommisti, autocarri, grandi flotte

- ✔ Max. inlet pressure 13,0 Bar/188 Psi
- ✔ Inflates 1 to 4 tyres simultaneously
- ✔ 4 way manifold kit with 4x2m hoses (B)
- ✔ Ideal for Tyre Cervice Centers, Tyre Mounters and Fleet Operations

- ✔ Max. Eingangsdruck: 13,0 Bar/188 Psi
- ✔ Füllt 1 bis 4 Reifen gleichzeitig
- ✔ 4-Wege 4x2 m Schläuche (B)
- ✔ Ideal für: Reifendienste, Lastwagen und Flottenbetreiber

- ✔ Presión max. en entrada 13,0 Bares/188 Psi
- ✔ Colector con 4 salidas + 4 tubos de 2 mt con válvulas de inflado incluidos
- ✔ Puede inflar hasta 4 neumáticos simultáneamente (B)
- ✔ Ideal para: talleres de neumáticos, camiones, grandes flotillas

CARATTERISTICHE TECNICHE	Cod. 03.000.38 TECHNICAL FEATURES	Cod. 03.000.40 TECHNISCHE DATEN	DATOS TÈCNICOS	
Funzione sovrappressione di tallonatura (OPS)	Function automatic over pressure settings (OPS)	Überdruck-Funktion (OPS)	Función de sovrapresión de talonado (OPS)	
Carcassa in alluminio	Aluminum Body	Aluminiumgehäuse	Carcasa de aluminio	
Accuratezza	Accuracy	Geanuigkeit	Precisión	±0.02 bar
Isolamento	Insulation	Isolierung	Aislamiento	IP 66
4 scale di misura	4 units of measurement	4 Druckmesseeinheiten	4 escalas de medición	Bar, Psi, Kpa, Kg/cm2
Alimentazione * a richiesta	Power * on request	Strom * auf Anfrage	Alimentación * bajo pedido	110÷240 V AC, 50-60 Hz (12 V DC *)
Temperatura di lavoro	Working Temperature	Arbeitstemperatur	Temperatura de funcionamiento	-10 ÷50° C
Dimensioni e peso	Dimensions And Weight	Abmessungen und Gewicht	Dimensiones y peso	25x27,5x9,0 - 5,5 kg

GONFIATORE CARRELLATO PER BOMBOLE DI AZOTO
(A BATTERIA)

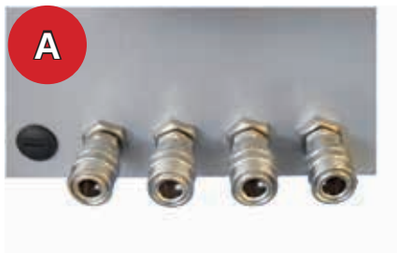
Cod. 03.000.41

NITROGEN INFLATION SYSTEM CART FOR N2 BOTTLES

GONFLEUR CHARIOTE POUR BOUTEILLES AZOTE
(A BATTERIE)

FAHRBARES REIFENFÜLLGERÄT FÜR STIKSTOFFLASCHEN
(MIT BATTERIE)

INFLADOR CON RUEDAS PARA BOMBOLA DE NITROGÈNOS
(CON BATERÌA)



Funzione sovrappressione di tallonatura (OPS)

Funzione “spurgo aria” automatico (N2P)

Funzione “Auto Power Off”

Pulsanti antivandali Foto B

Batterie al litio con caricabatteria Foto C

Ampio display lcd retroilluminato Foto B

Può gonfiare fino a 4 pneumatici contemporaneamente Foto A e C

“Water proof” – idoneo all’uso esterno

Collegabile a bombole di azoto standard o a generatori di azoto

4 tubi di gonfiaggio da 8 m con attacchi Foto C

Sicuro, preciso e di facile uso

Dimensioni 137x57x60

Peso 28 kg.

Function automatic over pressure settings (OPS)

Function automatic “Air purging” (N2P)

Function “Auto-Power Off”

Vandal-resistant buttons Photo B

Lithium battery with battery charger Photo C

Large backlit LCD display Photo B

It can inflate up to 4 tyres simultaneously Photo C and A

Water-proof suitable for outdoor use

It can be connected to standard nitrogen bottles or to nitrogen generators

4 inflating hoses (8cm) with clip-on fittings Photo C

Safe, accurate and easy-to-use

Dimensions: 137x57x60

Weight: 28 kg

Überdruck-Funktion (OPS)

Funktion “automatische Entlüftung” (N2P)

“Auto Power Off”-Funktion

Vandalensichere Tasten Foto B

Lithium-Akku und Batterieladegerät Foto C

Großes LCD-Display mit Hintergrundbeleuchtung Foto B

Kann bis zu 4 Reifen gleichzeitig aufpumpen Foto A und C

Wasserdicht – geeignet für die Wasseranwendung

Kann an die normale Stickstoffflaschen und
an den Stickstoff-Generator angeschlossen werden

4 Pumpschläuche 8 m mit den Verbindungen Foto C

Sicher, präzise und leicht zu bedienen

Abmessungen 137x57x60

Gewicht 28 kg

Fonction suppression (OPS)

Fonction “vidange air” automatique (N2P)

Fonction «Auto Power Off »

Butons anti-vandales Photo B

Batteries au lithium avec chargeur de batterie Photo C

Grande afficheur LCD rétro-allumé Photo B

Il peut gonfler jusqu’à 4 pneus en contemporaine Photo A et C

“Water proof” – utilisable à l’extérieur

Connectable à bouteilles d’azote standard ou à générateurs d’azote

4 tuyaux de gonflage de 8mt avec raccords Photo C

Secure, précis et simple à utiliser

Dimensions 137x57x60

Poids 28 kg.

Función de sovrapresión de talonado (OPS)

Función “purga de aire” automático (N2P)

Función “Auto Power Off”

Tecla antivándalos Foto B

Baterías de litio con recarga baterías Foto C

Amplia pantalla lcd retroiluminada Foto B

Puede inflar hasta 4 neumáticos simultáneamente Foto A y C

“Water proof” – apto para el uso de externo

Se puede conectar a bombonas de nitrógeno estándares o a generadores de nitrógeno

4 tubos de inflado de 8 m con empalmes Foto C

Seguro, preciso y fácil de usar

Dimensiones 137x57x60

Peso 28 kg

NEW

Cod. 03.036.03

AUTOMATIC BRAKE BLEEDER (12V)
PURGE AUTOMATIQUE DES FREINS (12 V)
AUTOMATISCHER BREMSENENTLÜFTER (12 V)
DISPOSITIVO AUTOMÁTICO PARA LIMPIEZA FRENOS (12 V)

Alimentazione a 12V DC da batteria, protetto contro inversioni di polarità.

Struttura in acciaio inox.

Regolatore di pressione pre-tarato per poter operare anche su sistemi ABS.

Serbatoio da 5lt con indicatore di livello ed interruttore automatico di livello minimo.

12V powering with reverse polarity warning.

Stainless steel body.

Automatic pressure regulator; pressure automatically kept under 2 bars for ABS systems.

5lt reservoir with visible level and minimum level indication.

Alimentation à 12V CC par batterie, protégée contre les inversions de polarité.

Structure en acier inox.

Régulateur de pression pré-étalonné pour pouvoir travailler également sur des systèmes ABS.

Réservoir de 5litres avec indicateur de niveau et interrupteur automatique de niveau minimum.

12-V-Versorgung über Batterie mit Falschpolungsschutz

Gehäuse aus Edelstahl voreingestellter

Druckregler, um auch auf ABS-Systemen arbeiten zu können

5-Liter-Tank mit Niveauanzeige und automatischem Mindeststand-Schalter.

Alimentación de 12V DC de batería, protegido contra las inversiones de polaridad.

Estructura de acero inoxidable.

Regulador de presión pre-calibrado para trabajar con los sistemas con ABS también.

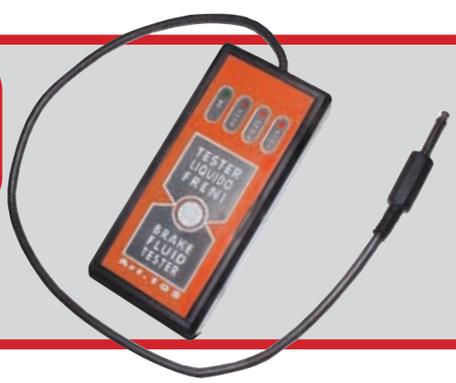
Tanque de 5lt con indicador de nivel e interruptor automático de nivel mínimo.

Cod. 03.036.09

a richiesta
on request
sur demande
auf Anfrage
bajo pedido

Art. 105

Cod. 05.036.00



Tester misurazione stato di usura liquido freni 4 led indicatori

Brake oil tester

Tester pour mesurer l'état d'usure du liquide dans les freins; il est fourni avec 4 led indicateurs

Tester zur Messung des Abnutzungszustandes der Bremsflüssigkeit 4 Led Anzeigen

Tester nivel de deterioro fluido para frenos 4 led indicadores

Cod. 05.036.01

TESTER PER LIQUIDO FRENI DIGITALE (105 D)
MISURA IL PUNTO DI EBOLLIZIONE DEL LIQUIDO

DIGITAL TESTER FOR BRAKE LIQUID (105 D)
IT MEASURES THE BOILING POINT OF THE LIQUID

TESTEUR POUR LIQUIDE DE FREINS DIGITAL (105 D)
MESURE DU POINT D'EBULLITION DU LIQUIDE

DIGITALTESTER FÜR BREMSFLÜSSIGKEIT (105 D)
MISST DEN SIEDEPUNKT DER FLÜSSIGKEIT

TESTER DIGITAL FLUIDO PARA FRENOS (105 D)
MIDE EL PUNTO DE EBULLICIÓN DEL FLUIDO

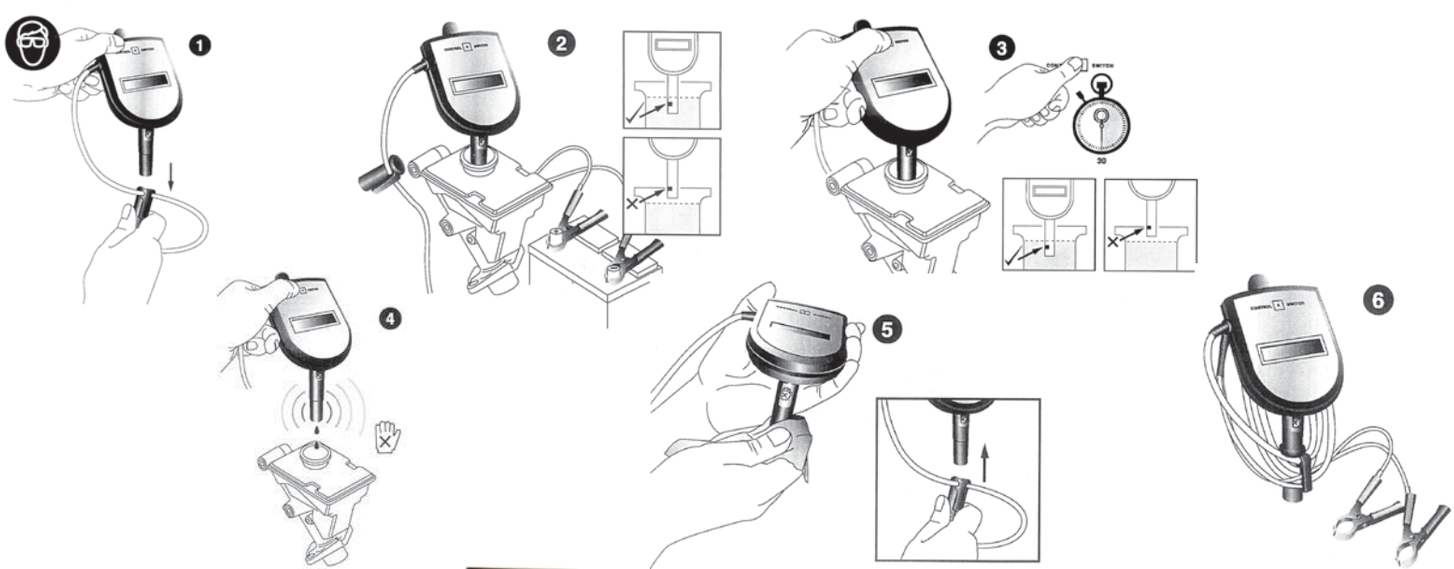
- Alimentazione 12V (batteria)
- Display LCD con istruzioni in 16 lingue
- Riscaldamento del liquido fino 320°C
- Utilizzabile con vari tipi di DOT e fluidi per vetture da competizione (database)
- Omologato dai principali produttori di olio per freni
- Protetto contro inversioni di polarità

- 12V power supply (battery)
- LCD display with instructions in 16 languages
- Heating of the liquid up to 320°C
- It can be used with different types of DOT and fluids for racing cars (database)
- Homologated by main brake fluid producers
- Protected against polarity inversions

- Alimentation 12V (batterie)
- Afficheur LCD avec instructions en 16 langues
- Chauffage du liquide jusqu'à 320°C
- Utilisable avec différents types de DOT et liquide pour voitures de compétition (database)
- Homologué des principaux producteurs de liquide de freins
- Protection contre inversion de polarité

- Stromversorgung 12V (Batterie)
- LCD Display mit Anleitung in 16 Sprachen
- Erhitzung der Flüssigkeit bis auf 320°C
- Kann bei verschiedenen DOT Typen und Flüssigmedien für Rennfahrzeugen (database) verwendet werden
- Von den führenden Herstellern von Öl für Bremsen zugelassen
- Schutz vor Umpolung

- Alimentación 12V (de batería)
- Pantalla LCD con instrucciones en 16 idiomas
- Calentamiento del fluido hasta 320°C
- Se puede utilizar con diferentes tipos de DOT y fluidos para coches de competición (database)
- Homologado por los princpales productores de fluido para frenos
- Protegido contra las inversiones de polaridad



Cod. 05.036.03

Versione con stampante a richiesta
Version with external printer on request
Version avec l'imprimante sur demande
Printer-Version auf Anfrage
Versión con impresora bajo pedido

Cod. 05.058.01

NUOVO KIT REGISTRO PISTONCINI FRENI CON PISTONE PNEUMATICO

NEW BRAKE CALIPER TOOL KIT WITH PNEUMATIC PISTON

NOUVEAU KIT REPOUSSE PISTONS DES FREINS AVEC PISTON PNEUMATIQUE

NEUER SATZ BREMSSTEUERKOLBEN MESSTASTER MIT PNEUMATIK KOLBEN

NUEVO CALIBRADOR NEUMÁTICO DE FRENOS CON PISTÓN NEUMÁTICO

Il pistone pneumatico mantiene la pressione sul cilindretto che può essere facilmente ruotato verso destra o verso sinistra dalla leva.

The pneumatic piston maintains the pressure on the cylinder that can be easily turned right or left by using a lever

Le piston pneumatique maintiens la pression sur le cylindre qui peut être facilement tourné à droite ou à gauche du levier

Der pneumatische Kolben erhält den Druck auf dem Zylinder, der mit einem Hebel leicht nach rechts oder links gedreht werden kann.

El pistón neumático presiona el cilindro que se puede girar a la derecha o a la izquierda utilizando la palanca.

Cod. 05.058.07

NEW

Aggiornametnto al kit 05.058.01
Upgrade for kit 05.058.01
Mise à jour kit 05.058.01
Upgrade für Kit 05.058.01
Actualización para kit 05.058.01

Applicazioni / applications / applications / Anwendungen / aplicaciones

B1 Ford | B3 BMW | B4 BMW | B5 Mini/BMW | W Passat VW | B2 Iveco Daily

SET CHIAVI A CRICCHETTO PER TUBAZIONI
RATCHETING FLARE NUT WRENCH SET

* SISTEMA UNICO DI CRICCHETTO BREVETTATO
* PUO' ESSERE APERTO E RICHIUSO PER ABBRACCIARE COMPLETAMENTE IL DADO POSTO SULLA LINEA
* PIU' E' ALTA LA PRESSIONE ESERCITATA, PIU' FORTE E' IL SERRAGGIO

* UNIQUE PETENTED RATCHETING SYSTEM
* CAN BE OPENED AND CLOSED TO FIT AROUND THE NUT COMPLETELY
* THE MORE PRESSURE EXERTED ON THE TOOL, TIGHTER THE GRIP ON THE NUT

Il set include 4/6 chiavi a doppio cricchetto ,con sistema BREVETTATO, in grado di operare su tubazioni di linea abbracciando completamente il dado. INDISPENSABILE per MANUTENZIONE INDUSTRIALE E AUTOMOTIVE (tubazioni iniettori e pompe diesel, sistemi ABS/ASR, refrigerazione mobile e industriale)

This set includes 4/6 DUOBLE END LINE WRENCHES,WORLDWIDE PATENTED, in order to operate on 'in line' pipes, fitting around the nut completely. INDISPENSABLE for INDUSTRIAL and AUTOMOTIVE MAINTENANCE (diesel pumps and injectors pipes, ABS/ASR systems, mobile refrigeration and HVAC)

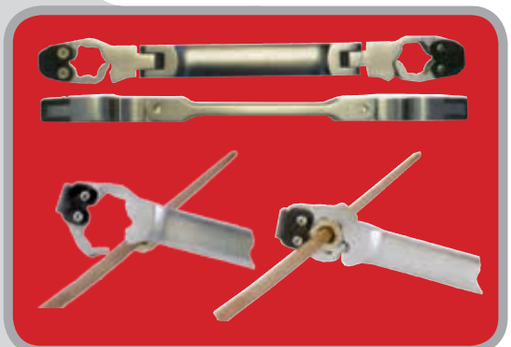
2 Set disponibili: / 2 Sets availables:

Cod. 05.090.11

4 CHIAVI/WRENCHES:
8X9, 10X11, 12X13, 14X15)

Cod. 05.090.12

6 CHIAVI/WRENCHES:
8X9,10X11,12X13,14X15,16X17,18X19)



Cod. 05.036.02

NEW

Tester diagnostico per sistemi frenanti EPB
EPB TEST Electronic Part Breake Tester

Premette di effettuare in modo rapido e sicuro il servizio di sostituzione delle pastiglie freni e resettare il service per officine/stazioni di servizio non dotate di tester auto diagnosi predisposti

Funzioni:
1. Lettura codici
2. Cancellazione codici
3. Disattiva freno
4. Attiva freno

Manuale d'uso in italiano (software in inglese)
Aggiornamenti via cavo USB
Borsa di trasporto e cavo OBD incluso
Si alimenta dalla presa OBD
The EPB is a service tool specially designed to help technicians replace brake pads more safely and efficiently.

functions:
1. Reads codes
2. Clears codes
3. Disables brake
4. Activates brake

Languages: English, Spanish, German, French, Dutch (on request)
Updates via USB cable
Carrying case and OBD cable included
Supply from OBD socket

Marchi/Vetture testabili: Testable brands:

Audi A6 (4F Chassis)	Gas/Diesel	Model Years 2006-2009
Audi A8 (4C Chassis)	Gas/Diesel	Model Years 2006-2009
Passat (3C Chassis)	Gas/Diesel	Model Years 2005-2008
Mercedes SL (221/230)	Gas/Diesel	Model Years 2003-2006
Mercedes E-Class (211/219)	Gas/Diesel	Model Years 2003-2006
Volvo S80	Gas/Diesel	Model Years 2007-20011
Volvo V70	Gas/Diesel	Model Years 2008-2011
VolvoXC60	Gas/Diesel	Model Years 2009-2011
Volvo XC70	Gas/Diesel	Model Years 2008-2011
Volvo S60	Gas/Diesel	Model Years 2011

Cod. 05.075.03

NEW

PISTOLA DI LAVAGGIO PER TAPPEZZERIE E CRUSCOTTI A CICLONE
TWISTER CLEANING GUN FOR CARPETS AND SEATS

Strumento indispensabile per la pulizia di sedili, abitacoli, bagagliai e cruscotti da macchie di unto, peli di animali, residui organici.
Utilizzare prodotti non schiumogeni diluiti a piacere.7

The essential tool for cleaning grease stains, hair and organic residues off vehicle seats, cabins, trunks and glove compartments.
Suitable for use with non-foaming cleanser diluted as required.

CARATTERISTICHE TECNICHE:
Il flusso d'aria pulsante permette una migliore pulizia rispetto ai sistemi ad acqua in pressione.
Nessun limite di posizione grazie al particolare disegno della sonda di aspirazione.
A. L'iniettore a cono permette di operare su un'area più ampia in minor tempo.
B. Il tappo di rabbocco laterale permette di evitare perdite tra serbatoio ed iniettore anche dopo numerose aperture.
C. Il sistema di aggancio ad anello permette un facile stoccaggio dopo l'uso.
D. Angolo speciale a 360° per ottenere aria compressa in ogni posizione.

TECHNICAL FEATURES:
Pulse air with controlled liquid spray provide better outcome than high pressure washer.
No limited cleaning position with flexible and special suction tube design in the bottle.
A. Large nozzle can cover better cleaning area and save working time.
B. Side filler hole design avoid leakage between bottle and gun after numerous opening.
C. Hook and ring design for easy storage.
D. Special angle and 360° swivel air inlet allow any position of air hose.

Cod. 05.075.04

PRODOTTO DI LAVAGGIO
CLEANING SOLUTION
5 LT

Cod. 05.075.05

A

ATTREZZATURE PER IL RIPRISTINO DELL'EFFICIENZA DEI FILTRI ANTIPARTICOLATO (FAP-DPF)

CLEANING AND REGENERATION SERVICE KIT FOR CLOGGED FAP-DPF.

KIT DE LIMPIEZA PARA LA REGENERACIÓN DE FILTROS DE PARTÍCULAS (FAP-DPF)

KIT DE NETTOYAGE POUR RETABLER LE RENDEMENT DES FILTRES À PARTICULES

IL KIT INCLUDE - KIT INCLUDES - EL KIT INCLUYE - LE KIT COMPREND:

DPF FLUSH KIT
CHE COS'È?
Specifica attrezzatura funzionante con aria compressa progettata per la pulizia dei filtri antiparticolato degli autoveicoli diesel.
Corredata di semplici e facili sonde intercambiabili che si possono utilizzare su ogni tipo e modello di filtri antiparticolato.

Benefici
pistola con impugnatura in gomma
sonda rigida intercambiabile
sonda flessibile intercambiabile
connessione per aria compressa con rubinetto a sfera 1/4"
guarnizioni in FKM resistenti a tutti i liquidi, anche a quelli più aggressivi
tubo Rilsan in pa11 resistente a tutti i liquidi, anche a quelli più aggressivi

DPF FLUSH KIT
WHAT IS IT?
Compressed-air gear for cleaning diesel particulate filters. includes easy-to-use interchangeable probes suitable for use with every type and model of DPFs.

FEATURES
rubber-handle gun
interchangeable rigid probe
interchangeable flexible probe
compressed air connector with 1/4" bibcock
FKM seals resistant to all kind of liquid substance, including aggressive chemicals.
pa11 Rilsan tube resistant to all kind of liquid substance, including aggressive chemicals..

DPF FLUSH KIT
¿QUÉ ES?
Instrumento de aire comprimido diseñado para la limpieza de los filtros antipartículas en los vehículos diesel.
Equipada con sondas intercambiables de fácil utilización adecuadas para todo tipo y modelo de filtros antipartículas.

CARACTERÍSTICAS Y VENTAJAS
pistola con mango de caucho
sonda rígida intercambiable
sonda flexible intercambiable
conexión para aire comprimido con grifo de bola 1/4"
guarniciones FKM resistente a todo tipo de líquido, incluso los más agresivos
tubo Rilsan de pa11 resistente a todo tipo de líquido, incluso los más agresivos

DPF FLUSH KIT
QU'EST-CE QUE C'EST ?
Équipements spécifiques qui fonctionnent avec air comprimé, conçu pour le nettoyage des filtres à particules dans les voitures diesel.
Doté de sondes interchangeables rapidement qui peut être utilisé sur tous les modèles de filtres à particules.

CARACTÉRISTIQUES ET AVANTAGES
pistolet avec poignée en caoutchouc
sonde rigide interchangeable
sonde flexible interchangeable
raccord pour air comprimé avec robinet a sphère 1/4"
joints en FKM résistant à tous les liquides, y compris les plus agressifs
tuyau Rilsan en pa11 résistant à tous les liquides, y compris les plus agressifs

B

Cod. 05.075.06

DPF RINSE
LIQUIDO DI RISCIACQUO FAP
CHE COS'È?
Liquido specifico di risciacquo dopo la pulizia dei filtri antiparticolato diesel. Grazie alla sua particolare formulazione chimica, questo prodotto è in grado di agire in profondità nel nido d'ape all'interno del filtro antiparticolato, lasciandolo pulito dai residui carboniosi e fuliggine, facilitando l'operazione di rigenerazione del filtro.

DPF RINSE
DPF RINSE SOLUTION
WHAT IS IT?
Special rinse solution for DPFs. Thanks to its chemical formula, this product allows a deep rinse of the porous honeycomb DPF structure, thus removing any particulate matter and soot residue and easing filter regeneration..

DPF RINSE
LÍQUIDO PARA ENJUAGUE FAP
¿QUÉ ES?
Líquido de enjuague después de la operación de limpieza de los filtros antipartículas diesel. Gracias a su específica formulación química, este producto actúa en profundidad en la estructura en forma de nido de abeja del filtro, para dejar el mismo limpio de todo residuo de carbonilla y hollín y facilitar la operación de regeneración del filtro.

DPF RINSE
LIQUIDE DE RINÇAGE
QU'EST-CE QUE C'EST ?
Liquide de rinçage après nettoyage des filtres à particules diesel.
Grâce à sa formulation chimique, cette produit agit sur la structure alvéolaire des filtres à particules; toutes les particules de suie, les cendres, les résidus et autres éléments polluants accumulés dans le filtre à particules sont détachés et la opération de régénération est simplifiée.

C

Cod. 05.075.07

DPF FLUSH
LIQUIDO DI PULIZIA FAP
CHE COS'È?
Liquido detergente non infiammabile, privo di metalli in sospensione, specifico per la pulizia dei filtri antiparticolato diesel. Grazie alla sua particolare formulazione chimica, questo prodotto è in grado di agire in profondità nel nido d'ape all'interno del filtro antiparticolato rimuovendo con facilità i residui carboniosi e fuliggine che ostruiscono il normale passaggio dei fumi di scarico del motore e ripristinando il funzionamento dell'intero sistema di scarico.

DPF FLUSH
CLEANSING DPF SOLUTION
WHAT IS IT?
Non-inflammable cleaning solution, suspended metals free, for DPFs. Thanks to its chemical formula, this product allows a deep rinse of the porous honeycomb DPF structure, thus removing any particulate matter and soot residue and easing the functioning of the whole exhaust emission system.

DPF FLUSH
LÍQUIDO DE LIMPIEZA FAP
¿QUÉ ES?
Líquido detergente no inflamable, sin partículas en suspensión, para la limpieza de los filtros antipartículas diesel. Gracias a su específica formulación química, este producto actúa en profundidad en la estructura en forma de nido de abejo del filtro, para remover fácilmente todo residuo de carbonilla y hollín que pueda obstruir el pasaje de los humos del tubo de escape del motor y restablecer el correcto funcionamiento del sistema de escape.

DPF FLUSH
LIQUIDE DE NETTOYAGE FAP
QU'EST-CE QUE C'EST ?
Fluide de nettoyage ininflammable, sans métaux en suspension, spécifique pour le nettoyage des filtres á particules diesel.
Grâce à sa formulation chimique, cette produit agit sur la structure alvéolaire des filtres à particules.
Toutes les particules de suie, les cendres, les résidus et autres éléments polluants qui obstruent le passage des gaz d'échappement sont détachés, et le bon fonctionnement du système d'échappement est rétabli.

Cod. 03.015.03

NEW

BOCIA EVO 12V

1) Nuova impugnatora ergonomica
2) Pinze con contatto in bronzo con treccia interna
3) Presa 12 V
4) Controllo stato di carica (sotto carica)
5) Controllo stato di carica (a riposo)
6) Stacca batteria con allarme polarità invertita
7) Carica batterie 1 Amp 100/240V

Nuova batteria 12 V 22Ah (2000A peak)

Garanzia 12 mesi

1) New ergonomic handle
2) Pliers with bronze contact and internal braid
3) 12 V socket
4) Charge indicator (under charge)
5) Charge indicator (not under charge)
6) Battery switch with reverse polarity alarm
7) Battery charger 1 Amp 100/240V

New battery 12V22Ah/2000A Peak

12 months warranty

CE MADE IN ITALY

1) Nouvelle poigné ergonomique
2) Pinces avec contact en bronze avec tramage interne
3) Prise 12 V
4) Control état de charge (sous charge)
5) Control état de charge (en arrête)
6) Protection batterie avec alarme polarité renversée
7) Chargeur de batterie 1 Amp 100/240V

Nouvelle batterie 12 V 22Ah (2000A peak)

Garantie 12 mois

1) Neuer ergonomischer Griff
2) Zangen mit Bronze-Gleitschicht
3) 12V-Steckdose
4) Ladeanzeige (während des Ladens)
5) Ladeanzeige (ohne Laden)
6) Batterieschalter mit Alarm bei der umgekehrten Polarität
7) Ladegerät 1 Amp 100/240V

Neue Batterie 12V22Ah (2000A Spitzenlast)

12 Monate Garantie

1) Nuevo mango ergonómico
2) Pinzas con contactos de bronce y cables trenzados
3) Enchufe de 12 V
4) Control del estado de carga (en carga)
5) Control del estado de carga (sin cargar)
6) Desconectador de batería con alarma de inversión polaridad
7) Cargador de baterías 1 Amp 100/240V

Nueva batería 12 V 22Ah (2000A pico)

Garantía 12 meses

NEW

Cod. 03.015.04

BOCIA EVO 12/24V

CE MADE IN ITALY

1) Nuova impugnatura ergonomica in gomma
2) Voltmetro
3) Stacca batteria
4) Presa 12 V
5) Luce a led di emergenza
6) Pinze con contatto in bronzo con treccia interna
7) Caricabatteria 4 Amp 100/240V
8) Commutatore 12V-0-24V

Nuove batterie 2pz x 12 V 22Ah (2000

Garanzia 12 mesi

1) New ergonomic rubber handle
2) Voltmeter
3) Battery switch
4) 12 V socket
5) Emergency led light
6) Pliers with bronze contact and internal braid
7) Battery charger 4 Amp 100/240V
8) Switch 12V-0-24

New batteries 2pcs x 12V22Ah/2000A Peak

12 months warranty

1) Nouvelle poignée ergonomique en caoutchouc
2) Voltmètre
3) Protection batterie
4) Prise 12 V
5) Témoin d'émergence
6) Pinces avec contact en bronze avec tramage interne
7) Chargeur de batterie 4 Amp 100/240V
8) Commutateur 12V-0-24V

Nouvelle batteries 2pcs x 12 V 22Ah (2000A peak)

Garantie 12 mois

1) Neuer ergonomischer Gummigriff
2) Voltmeter
3) Batterieschalter
4) 12-V-Steckdose
5) Notfall-LED-Licht
6) Zangen mit Bronze-Gleitschicht
7) Ladegerät 4 Amp 100/240V
8) Schalter-12V 0-24

Neue Batterie 12V22Ah (2000A Spitzenlast)

12 Monate Garantie

1) Nuevo mango ergonómico de goma
2) Voltímetro
3) Desconectador de batería
4) Enchufe de 12 V
5) Luz LED de emergencia
6) Pinzas con contactos de bronce y cables trenzados
7) Cargador de baterías 4 Amp 100/240V
8) Conmutador 12V-0-24V

Nueva batería 12 V 22Ah (2000A pico)

Garantía 12 meses

NUOVA SERIE CARICAB

NEW INTELLIGENT BATTERY RECHARGING SERIES

NOUVELLE GAMME CHARGEURS DE BATTERIES

CBA 150
Cod. 03.022.00

CBA 500
Cod. 03.024.02

CBA 1200
Cod. 03.024.03

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES CARACTÉRISTIQUES TECNIQUES - TECHNISCHE DATEN CARACTERÍSTICAS TÉCNICAS	*03.022.00* **CBA 150**
Alimentazione Power supply - Alimentation Stromversorgung - Suministro de corriente	220V 50Hz
Batterie SLI, VRLA, GEL, AGM SLI, VRLA, GEL, AGM batteries - Batteries SLI/VRLA/GEL/AGM Batterien SLI/VRLA/GEL/AGM - Baterías SLI, VRLA, GEL, AGM	✔
Controllo a microprocessore Microprocessor control system - Control avec micro-processeur Kontrolle mit Mikroprozessor - Control mediante microprocesador	✔
Min/max tensione di carica Min/max charging voltage - Min/Max tension de charge Min/Max Ladungsspannung - Min/max tensión de carga	13÷14.8V
Max corrente di ricarica Max recharging current - Max courant de charge Max Ladungsstrom - Max corriente de carga	1,5A
Max corrente di avviamento Max starting current - Max courant pour démarrage Max Startstrom - Max corriente de puesta en marcha	—
Campo capacità batterie di ricarica Capacity field of charging batteries - Champ capacité batteries en charge Bereich der Batterien in Ladung - Campo de capacidad de baterías en carga	2÷120Ah
Batterie standard Standard batteries - Batteries standard Standard Batterien - Baterías estándar	✔
Fasi automatiche di carica Automatic charging phases - Phases automatiques de charge Automatische Ladungsphasen - Etapas de carga automáticas	5
Funzione “desolafatazione” “Desulphation” function - Fonction «désulfatation» « Entschwefelung » Funktion - Función “desulfatación”	✔
Protezione da cortocircuito Short circuit protection - Protection de court-circuits Schutz vor Kurzschluss - Protección contra corto circuitos	✔
Protezione da sovraccarico Overcharging protection - Protection de surcharge Schutz vor Überlast - Protección contra sobrecargas	✔
Antiscintillio Sparkless device - Anti-étincelles Schutz vor Funken - Antiparpadeo	✔
Led di segnalazione Warning led - Témoins de signalisation Alarm Led - Luz led de señalización	✔
Temperatura di funzionamento Functioning temperature - Température de fonctionnement Betriebstemperatur - Temperatura de funcionamiento	-20°C/+50°
Classe di isolamento Insulation class - Class d’ insulation Isolierungsklasse - Clase de aislamiento	IP 65/ EN600529
Dimensioni (cm) Volume (cm) - Abmessungen (cm) Dimensions (cm) - Dimensiones (cm)	13x6x5
Peso (kg) - Weight (kg) - Poids (kg) - Gewicht (Kg) - Peso (kg)	0,55

BATTERIE INTELLIGENTI

NEUE SERIE INTELLIGENTE BATTERIELADEGERÄTE

NUEVA SERIE DE RECARGABATERÍAS INTELIGENTES

03.024.02 **CBA 500**	*03.024.03* **CBA 1200**	*03.024.04* **CBA 3000**	*04.003.05* **CBA 500x4**	*03.024.07* **CBA 244**
220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
✔	✔	✔	✔	✔
✔	✔	✔	✔	✔
13÷14.8V	13÷14.8V	13÷14.8V	13÷14.8V	26÷29,6V
5A	12A	30A	5A x 4	4A
—	—	90A	—	—
10÷200Ah	2÷200Ah	30÷300Ah	10÷200Ahx4	10÷120Ah
✔	✔	✔	✔	✔
5	5	5	5	5
✔	✔	✔	✔	✔
✔	✔	✔	✔	✔
✔	✔	✔	✔	✔
✔	✔	✔	✔	✔
✔	✔	Digital	✔	✔
-20°C/+50°	-20°C/+50°	-20°C/+50°	-20°C/+50°	-20°C/+50°
IP 65/ EN600529	IP 65/ EN600529	IP 65/ EN600529	IP 65/ EN600529	IP 65/ EN600529
16x9,6x5,4	20,5x12,2x7	20x20x13	350x19x85	20,5x12,2x7
0,85	1,28	6,3	8	1,28

CBA 3000
Cod. 03.024.04

CBA 500x4
Cod. 04.003.05

CBA 244
Cod. 03.024.07

URANO 450

NEW

Cod. 03.024.10

URANO 450
SOFTWARE CHARGING TECHNOLOGY

SCT SOFTWARE CHARGING TECHNOLOGY

AVVIATORE E CARICA BATTERIE AD INVERTER

per l'avviamento di autoveicoli dotati di batteria da 12v e la carica di batterie al piombo-acido 12/24v con eletrolita liquido o gel

INVERTER STARTER AND BATTERY CHARGER,

for starting up vehicles equipped with 12V battery and recharging 12/24V lead-acid batteries with liquid or gel electrolyte

L'avviatore - caricabatterie ad inverter URANO 450 in tecnologia SCT è un apparecchio che integra tre funzioni:

1) Carica batterie adatto alla ricarica di batterie al piombo-acido con elettrolita liquido ed in gel da 12V e 24V con stadio di mantenimento in tampone.
2) Avviatore espressamente progettato per avviare autoveicoli a 12V con centraline elettroniche.
3) Alimentatore ausiliario 12/24V indispensabile per sostituire la batteria senza perdere le impostazioni del computer di bordo.

- Display a tre cifre

- ❒ 300Amp. per l'avviamento in sicurezza di autoveicoli a 12V con centraline elettroniche.
- ❒ Da 3 a 45Amp. per la ricarica ed il mantenimento di batterie al piombo-acido con elettrolita liquido ed in gel da 12V e 24V.
- ❒ Alimentazione ausiliaria 12/24V per sostituire la batteria senza perdere i dati memorizzati nel computer di bordo.
- ❒ Servizio continuo alla massima corrente di carica.
- ❒ Dimensioni e peso ridotti.

The URANO 450 inverter starter-battery charger with SCT technology offers three functions:

1) Starter intended especially for starting up 12V vehicles with electronic control unit.
2) Universal Battery Charger for recharging lead-acid batteries from 20 to 900Ah with liquid and gel electrolyte of 12 and 24V with trickle charging in floating mode.
3) Auxiliary 12/24V power supply unit essential for replacing the battery without losing the computers Settings.

- ❒ 300amp at 12V for safety starting up of vehicles with electronics control board.
- ❒ 3 to 45Amp for charging and maintaining lead-acid batteries at 12 and 24V wet and gel electrolyte.
- ❒ Auxiliary 12/24V power supply unit essential for replacing the battery without losing the computer's Settings.
- ❒ Maximum charging current continuously available without thermal interruption.
- ❒ Reduced size and weight.

Cod. 03.024.11

Caratteristiche tecniche - Faetures - Caractéristiques techniques - Technische Daten - Especificaciones técnicas

Tensione d'alimentazione / Input voltage Tension d'alimentation / Netzspannung / Tensión de alimentación	Volt (50/60Hz- 1Ph)	220 - 240
Tensione di carica / Charging voltage Tension de charge / Ladespannung / Tensión de carga	Volt d.c.	12/24
Corrente di carica / Output current Courant de charge / Ladestrom / Corriente de carga	Amp d.c.	3-45
Capacità delle batterie / Rated battery capacity Capacité des batteries / Batteriekapazität / Capacidad de baterías	Ah	20/900
Posizioni di carica / Charge rate settings Positions de charge / Ladeposition / Posiciones de carga	N°	84
Avviamento: tensione e corrente / Starting up: voltage and current Positions de charge / Anschluss: Spannung und Strom / Tensión y corriente de arranque	Vd.c./Ad.c.	12V/300A
Grado di protezione / Degree of protection Degré de protection / Protektionsgrad / Grado de protección	IP	21
Dimensioni / Dimensions Dimensions / Abmessungen / Tamaño	Cm	32,5X19,2x17
Peso / Weight Poids / Gewicht / Peso	Kg	5

URANO 450

NEW

Cod. 03.024.10

URANO 450
SOFTWARE CHARGING TECHNOLOGY

SCT SOFTWARE CHARGING TECHNOLOGY

Démarreur et chargeur de batteries a technologie inverter
Pour le démarrage des véhicules automobiles équipés de batteries de 12v et le chargement de batteries au plomb-acide 12/24v avec électrolyte liquide ou gel

Inverter-Batterieladegerät und Anlasser,
Zum Anlassen der Autobatterien zu 12V und der Ladung der Blei-Säure Batterien mit 12/24V, mit Flüssig-Elektrolyt oder Gel

ARRANCADOR Y RECARGADOR DE BATERÍAS INVERTER
Para arrancar vehículos con batería de 12V y recargar baterías de plomo-ácido de 12/24V con electrolito líquido o de gel

Le démarreur-chargeur de batterie à inverter URANO 450 avec technologie SCT est un appareil qui intègre trois fonctions:

1) Chargeur de batterie indiqué pour le rechargement de batteries au plomb-acide avec électrolyte liquide ou en gel de 12V et 24V avec phase de maintien en charge maximale/floating
2) Démarreur spécialement étudié et adapté pour démarrer des véhicules automobiles à 12V avec des systèmes électroniques embarqués
3) Groupe auxiliaire de puissance 12/24V indispensable pour remplacer la batterie sans perdre les paramètres de l'ordinateur de bord.

- ❒ 300A pour le démarrage en toute sécurité de véhicules automobiles à 12V avec des commandes électroniques.
- ❒ De 3 à 45A pour le rechargement et le maintien des batteries au plomb-acide avec électrolyte liquide et en gel de 12V et 24V.
- ❒ Groupe auxiliaire de puissance 12/24V pour remplacer la batterie sans perdre les informations et donc en sauvegardant toutes les données dans l'ordinateur de bord.
- ❒ Chargement automatique, maximal et stabilisé.

Das Inverter-Anlasser-Batterieladegerät URANO 450 mit SCT Technologie vereint 3 Funktionen:

1) Batterieladegerät zur Ladung von Blei-Säure oder flüssig-Elektrolyt oder Gel-Batterien von 12/24V mit Tamponsystem (Beibehaltung der Ladung).
2) Dieses Gerät ist ausdrücklich zum Anlassen von 12V-Batterien bei Autos mit elektronischer Zentrale gedacht.
3) Zusatzspeisung 12/24V wichtig beim Austausch der Batterien ohne das die Einstellung des Bordcomputers verloren geht.

- ❒ 300 Amp-zum Anlassen von Autos mit 12V und elektronischer Zentrale.
- ❒ von 3-45 Amp zur Ladung von 12/24V Blei-Säure und Elektrolyt-Batterien oder Gel.
- ❒ Zusatzspeisung 12/24V zum Austausch der Batterie ohne Verlust der Daten-Memory im Bordcomputer.
- ❒ Dauerservice bei höchster Ladespannung.
- ❒ Minimale Größe und reduziertes Gewicht.

El arrancador y recargador de baterías inverter URANO 450 con tecnología SCT (Software Charging Technology) ofrece tres distintas funciones:

1. Recargador adaptado a baterías de plomo-ácido con electrolito líquido o de gel de 12V y 24V con carga flotante de mantenimiento.
2. Arrancador especialmente diseñado para vehículos de 12V con centralita electrónica.
3. Fuente de alimentación auxiliar de 12/24V, indispensable para sustituir la batería sin perder los ajustes de abordo.

- Pantalla de 3 dígitos.

- ❒ 300Amp para arrancar en seguridad vehículos de 12V con centralitas electrónicas.
- ❒ De 3 a 45Amp para recargado y mantenimiento de carga de baterías de plomo-ácido con electrolito líquido o de gel de 12V y 24V.
- ❒ Fuente de alimentación auxiliar de 12/24V, indispensable para sustituir la batería sin perder los ajustes de abordo.
- ❒ Mantiene permanentemente la batería en su condición de carga plena.
- ❒ Tamaño compacto y peso ligero.

CE MADE IN ITALY

DT 31010

Cod. 04.005.02

PROBES COMPLY TO NEW IEC61010-031:2008 NORM VALID FROM 01/03/2011

MULTIMETRO "IBRIDO"
con pinza contagiri e sonda temperatura

MULTIMETER "HYBRID"
with rpm counter pliers and temperature probe

MULTIMETRE "HYBRIDE"
avec pince compte-tours et sonde température

MULTIMETER HYBRID
mit dem Drehzahlmesser und Temperaturfühler

MULTÍMETRO "HÍBRIDO"
con pinza cuentarrevoluciones y sonda temperatura

KT2HYBRID

Cod. 04.006.02

Il kit diagnosi professionale per l'elettrauto e il meccanico diagnostico.
Include multimetro DT31010 e pinza amperometrica CBA 600

The professional car diagnostic kit for car electricians and diagnostic mechanics.
It includes DT31010 multimeter and amperometric pliers CBA 600

Le kit diagnostique professionnel pour l'électricien voitures
et le mécanicien de diagnostique.
Il inclue le multimètre DT31010 et la pince ampèremetrique CBA 600

Das Profi Set für Autoelektriker und Diagnose Mechaniker. Umfasst Multitester
DT31010 und Zangenstromm-esser CBA 600

El kit diagnóstico profesional para los electricistas de automóviles
y los mecánicos diagnósticos.
El kit incluye el multímetro DT31010 y alicates amperométricos CBA 600

CBA600

Cod. 04.009.00

600A AC/DC

Pinza amperometrica

Amperometric pliers | **Zangenstromm-esser**

Pince ampèremetrique | **Alicates amperométricos**

CBA600

Cod. 04.022.00

Kit cavetti per multimetro e oscilloscopio
Cable kit for multimeter and oscilloscop
Kit cables pour multimètre et oscilloscope
Prüfkabel-und Zubehör-Sortiment für Multimeter und Oszilloskop
Kit cables para multímetro y osciloscopio

Modelli / Models Models / Modelle Modelos Misure effettuabili Tests that can be carried out Mesures executables Ausführbare Messungen Pruebas realizables	 **DT 31010** ***Cod. 04.005.02***	 **CBA 600** ***Cod. 04.009.00 KIT***	 **KT2** ***Cod. 04.006.02***
Cambio scala automatico Change of scale / Changement d'échelle Skalen Wechsel / Cambio escala	✔	MANUAL	✔
Tensione (DC) Voltage (direct current) Voltage (ampérage continu) Spannung (Gleichstrom) Tensiòn (DC)	1000V max	❍	1000V max
Tensione (AC) Voltage (alternate current) Voltage (amperage alterné) Spannung (Wechselstrom) Tensiòn (AC)	1000V max	❍ 750V max	750V max
Corrente (AC) Current (alternate current) Ampérage (ampérage alterné) Strom (Wechselstrom) Corriente (AC)	20A	600A	20A/600A
Corrente DC DC Current / Ampérage DC DC Strom / Corriente DC	20A	600A	20A/600A
MilliAmpere MilliAmpere / MilliAmpères MilliAmpere / MilliAmperios	✔	❍	✔
Resistenza Resistance / Résistance Widerstand / Resistencia	32 MOHM max	❍	32 MOHM max
Prova diodi Diode test / Essai diodes Dioden Prüfung / Prueba diodos	✔	❍	✔
Temperatura Temperature / Température Temperatur / Temperatura	-20°C/+750°C	❍	-20°C/+750°C
Giri Motore R.P.M. Tours Moteur Umdrehungen Motor Revoluciones por Minuto	0-9999 rpm	❍	0-9999 rpm
Duty Cycle	0-100%	❍	0-100%
Dwell	0-99%	❍	0-99%
Tempo iniezione Injection time / Temps d'injection Einspritz Zeit / Tiempo de inyecciòn	✔	❍	✔
Frequenza Frequency / Fréquence Frequenz / Frecuencia	320Hz/32KHz	❍	320Hz/320KHz
Custodia antiurto Shock-proof case Protection contre les chocs Stossfester Schutzkasten Estuche antichoque	✔	❍	✔
Barra grafica analogica Analogue graphic display Barre graphique analogique Grafik Analoganzeige Pantalla gràfica analògica	✔	❍	✔

BT 222

Cod. 04.003.09

TESTER BATTERIE/IMPIANTO DI CARICA 12V

BATTERY TESTER/CHARGING SYSTEM 12V

TESTEUR DE BATTERIES/ SYSTEME DE CHARGE 12V

ESTER BATTERIE/LADUNGSSYSTEM 12V

TESTER BATERÍAS/INSTALACIÓN DE RECARGA 12V

Gamma:	Norme:	Tolleranza:	Risoluzione:
Range:	Norms:	Tolerance:	Risolution:
Gamme:	Normes:	Tolérance:	Résolution:
Bereich:	Normen:	Toleranz:	Auflösung:
Range:	Normas:	Tolerancia:	Resolución:
200÷1200	SAE, DIN, EN,	CCA <±10%,	1CCA
CCA	IEC, CA	Volt ± 0,1V	

BT 002

Cod. 04.003.08

TESTER BATTERIE 6-12V/ TEST IMPIANTO DI RICARICA E AVVIAMENTO 12-24V

BATTERY TESTER 6-12V/ CHARGING AND STARTING SYSTEM 12-24V TEST

TESTEUR DE BATTERIES 6-12V/ TEST DU SYSTEME DE RECHARGE ET DEMARRAGE 12-24V

TESTER BATTERIEN 6-12V/ LADUNGS-UND STARTSYSTEM 12-24V

PRUEBA BATERÍAS 6-12V/ PRUEBA INSTALACIÓN DE RECARGA Y ARRANQUE 12-24V

Gamma:	Norme:	Tolleranza:	Risoluzione:
Range:	Norms:	Tolerance:	Risolution:
Gamme:	Normes:	Tolérance:	Résolution:
Bereich:	Normen:	Toleranz:	Auflösung:
Range:	Normas:	Tolerancia:	Resolución:
90÷2000	SAE, DIN, EN,	CCA <±5%,	1CCA
CCA (SAE)	IEC, JIS	Volt ± 0,05V	
	(Battery type nr.)		

Software: English, Italiano, Español, Français, Português, Deutsch,

Applicazioni:	Applications:	Applications:	Anwendungsbereiche:	Aplicaciones:
batterie 6/12V impianti di ricarica/auto 12 e 24V	batteries 6/12V charging system/car 12 and 24V	batteries 6/12V systèmes de recharge 12 et 24V	6/12V Batterien Ladungsystem/ Auto 12 und 24V	baterías 6/12V instalaciones de recarga/coches 12 y 24V
Accessori standard: Protezione in gomma, valigetta in plastica	*Standard accessories:* Rubber protection, plastic case	*Accessoires standard:* Protection en caoutchouc et coffret en plastique	*Standardzubehör:* Gummischutz, Kunststoffkoffer	*Accessorios estándar:* Protección de goma, maletín de plástico

BT 501

Cod. 04.003.04

TESTER BATTERIE DIGITALE
ANALIZZATORE SISTEMA DI CARICA E AVVIAMENTO CON STAMPANTE

DIGITAL BATTERY TESTER/CHARGING AND STARTING SYSTEM ANALYSER WITH PRINTER

DIGITAL BATTERIE TESTER /ANALYSEGERÄT LADUNGS-UND STARTSYSTEM MIT DRUCKER

TESTEUR BATTERIES DIGITALE/ANALYZEUR SYSTEMES DE CHARGE ET DEMARRAGE AVEC IMPRIMANTE

TESTER BATERÍAS DIGITAL/ANALIZADOR INSTALACIÓN DE RECARGA Y ARRANQUE CON IMPRESORA

SOFTWARE
English, Italiano, Español, Français, Português, Deutsch, Russian

Gamma: Range: Gamme: Bereich: Range:	Norme: Norms: Normes: Normen: Normas:	Tolleranza: Tolerance: Tolérance: Toleranz: Tolerancia:	Risoluzione: Risolution: Résolution: Auflösung: Resolución:
40÷2000 CCA (SAE)	SAE, DIN, EN, IEC, JIS (Battery type nr.)	CCA <±5%, Volt ± 0,05V	1CCA

Applicazioni
batterie 6/12V impianti di ricarica e avviamento 12 e 24V

Applications
batteries 6/12V charging and starting systems 12 and 24V

Applications
batteries 6/12V systèmes de charge et démarrage 12 et 24V

Anwendungsbereiche
6/12 V Batterien Ladungs-und Startsysteme 12 und 24 V

Aplicaciones:
baterías 6/12V instalaciones de recarga y arranque 12 y 24V

Salvamemorie computer di bordo professionale.
Professional auto computer memory minder.
Système de sauvetage mémoire ordinateur de bord.
Professioneller Bordcomputer Memory Saver
Salvamemorias computadora de a bordo profesional.

Cod. 05.081.02

Adattatore per Mercedes - Adapter for Mercedes
Adaptateur pour Mercedes
Adapter für Mercedes - Adaptador para Mercedes

Permette di operare in sicurezza in caso di sostituzione della batteria dell'auto
Con cavetto per presa OBD, doppio accendisigari e presa con pinza rossa e nera (12 V)

Allows to operate in safety in case of the replacement of the car's battery
With the cable for the OBD-outlet, double lighter and the socket with the red and black claw (12 V)

Permet de opérer en sécurité en cas de remplacement de la batterie de la voiture
Avec cable pour prise OBD, double allume-cigares et prise avec pince rouge et noire (12V)

Im Fall vom Batteriewechsel in Sicherheit arbeiten
Mit dem OBD Kabel, Doppel-Zigaretenanzünder und die Steckdose mit der schwarzen und rossen Zange

Permite trabajar en seguridad en caso de sustitución de la batería del vehículo
Con cable para toma obd, doble encedendedor de cigarros y toma con pinzas roja y nera (12V)

Cod. 05.081.03

NEW

Nuovo modello con batteria di 7 Ah
New model with 7 Ah battery
Nouveau modèle avec batterie 7 Ah
Neues Modell mit der Batterie 7 Ah
Nuevo modelo con batería 7 Ah

Cod. 04.003.11

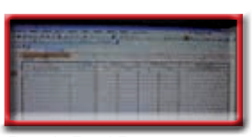
TESTER BATTERIE/ALTERNATORI
con Stampante e Codici a Barre

DIGITAL BATTERY/CHARGING STARTING SYSTEM ANALYSER
with printer

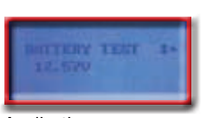
BREVETTATO/PATENTD IN
USA (US636957781)
TAIWAN (165571)
EUROPA (1314990)

RoHS Compliant

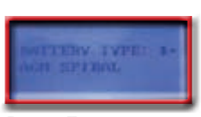
Test Code:
Input the Code number to the decode
Exel program for warranty control system



Decode Excel Program

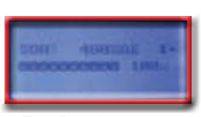


Application:
6V & 12V
Automotive Batteries

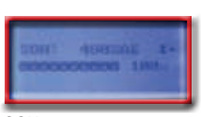


Battery Type:
a. Regular Liquid
b. AGM Flat Plate
c. AGM Spiral
d. VRLA/GEL

Norme / Global Battery Rating:
SAE(CCA), EN, IEC,
DIN, JIS (Battery No.)



5 Test Results:
a. Good & Pass
b. Good & Recharge
c. Recharge & Retest
d. Bad & Replace
e. Bad Cell & Replace



SOH
(State of Health)

SOC
(State of Charge)

System Test:
12V & 24V
a. Starter Test
b. Charging Test

NUOVE FUNZIONI

9 lingue: italiano, inglese, francese, spagnolo, tedesco, portoghese, giapponese, cinese (T/S)

Data/Ora

Contatore numero di test (Test counter) per garanzie e controllo qualità

Codice a barre per rintracciabilità batterie (code 39) indispensabile per gestione garanzie

Cavi di test sostituibili in caso di danneggiamento

Dimensioni: 251x130x64

Accessori: guscio antiurto, rotolo carta, 6 batterie 1.5

NEW FUNCTIONS

9 languages: Italian, English, French, Spanish, German, Portuguese, Japanese, Chinese (T/S)

Date/Time

Test counter for warranty or quality control

Bar code for the battery traceability (code 39) indispensable for warranty management

Replaceable test cables in case of damage

Dimensions: 251x130x64

Accessories: shock-proof case, paper roll, 6 batteries 1.5

Applicazioni:
Applications:

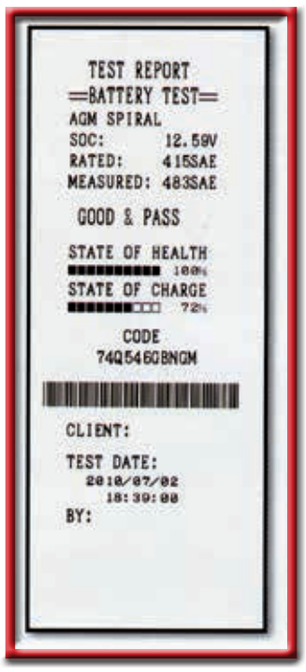
Batterie 6/12V impianti di carica e avviamento 12 e 24V

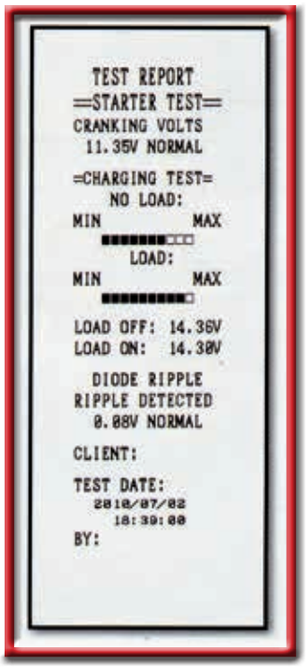
Batteries 6/12 charging and starting systems 12 and 24V

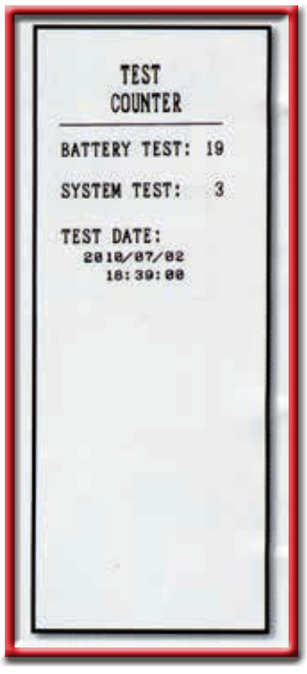
NOUVEAU TESTEUR DE BATTERIE ET ALTERNAEUR
avec imprimante et code a barresneue

BATTERIE UND WECHSELSTROMGENERATORTESTER
mit druck und strichkode

NEUVO PROBADOR DE BATERÌAS
con impresora y codigo de barras


TEST REPORT
=BATTERY TEST=
AGM SPIRAL
SOC: 12.59V
RATED: 415SAE
MEASURED: 483SAE
GOOD & PASS
STATE OF HEALTH 100%
STATE OF CHARGE 72%
CODE
74Q546GBNQM
CLIENT:
TEST DATE:
2018/07/02
18:39:00
BY:


TEST REPORT
=STARTER TEST=
CRANKING VOLTS
11.35V NORMAL
=CHARGING TEST=
NO LOAD:
MIN MAX
LOAD:
MIN MAX
LOAD OFF: 14.36V
LOAD ON: 14.30V
DIODE RIPPLE
RIPPLE DETECTED
0.08V NORMAL
CLIENT:
TEST DATE:
2018/07/02
18:39:00
BY:


TEST COUNTER
BATTERY TEST: 19
SYSTEM TEST: 3
TEST DATE:
2018/07/02
18:39:00

PATENTADO en
BREVET
PATENTIERTE in:
USA (US636957781)
TAIWAN (165571)
EUROPA (1314990)

RoHS Compliant

Applications:
Batteries 6/12V instalaciones systemes de charge et demarrage 12 et 24V

Anwendungsbereiche:
6/12V impianti Batterien Ladungs und Starsysteme 12 und 24V

Aplicaciones:
Baterìas 6/12V instalaciones de recarga y arranque 12 y 24V

NUOVELLES FONCTIONS
9 langues: Italien, Anglais, Francais, Espagnole, Allemand, Portugais, Japonais, Chinois (T/S)

Date/Heure

Compteur numéro de tests pour garanties ou contrôle de la qualité

Code à a barrespour la traçabilité des batteries (code 39) indispensable pour la gestion des garanties

Càbles remplaçables en cas de endommagement

Dimensions : 251x130x64

Accessoires : couverture antichoc, rouleau papier, 6 batteries 1.5V

NEUE FUNKTIONEN
9 Sprache : Italienisch, Englisch, Französisch, Spanisch, Deutsch, Portugiesisch, Japanisch, Chinesisch (T/S)

Datum/Uhr

Zählertest für Garantien oder Qualitätskontrolle

Strichkode für Batterieerreichbarkeit (code 39) unentbehrlich für Garantienkontrolle

Austauschbar Testkabel im Fall von Beschädigung

Dimensionen: 251x130x64

Zubehöre: schlagstoßfeste Schale, Papierrolle, 6 Batterien 1.5

NUEVAS CARACTERISTICAS
9 Idiomas: italiano, ingles, francés, espagnol, alemàn, portugués, japonés, chino (T/S)

Fecha/Hora

Contador nùmero de pruebas (test counter) para garantìas o contoles de calidad

Còdigo de barras para trazabilidad baterìas (code 39) imprescindibile para gestiòn garantìas

Cables de prueba reemplazables en caso de danos

Dimensiones : 251x130x64

Accessorios : proteciòn anticaìda, rollo de papel, 6 baterìas 1.5

Cod. 05.096.02

AMPEROMETRO DIGITALE PER FUSIBILI fino a 80A 48V
Automotive current tester for fuses up to 80 A 48V
Ampèremètre numérique pour fusibles jusqu'à 80 A 48V
Digitalstrommesser für Sicherungen bis 80 A 48 V
Amperímetro digital para fusibles hasta 80 A 48V

Ampio display con barra grafica
Peak Hold e Data Hold
Pulsanti di azzeramento
Idoneo per fusibili tipo lungo, standard, mini
di auto, autocarri, pullman e carrelli elevatori

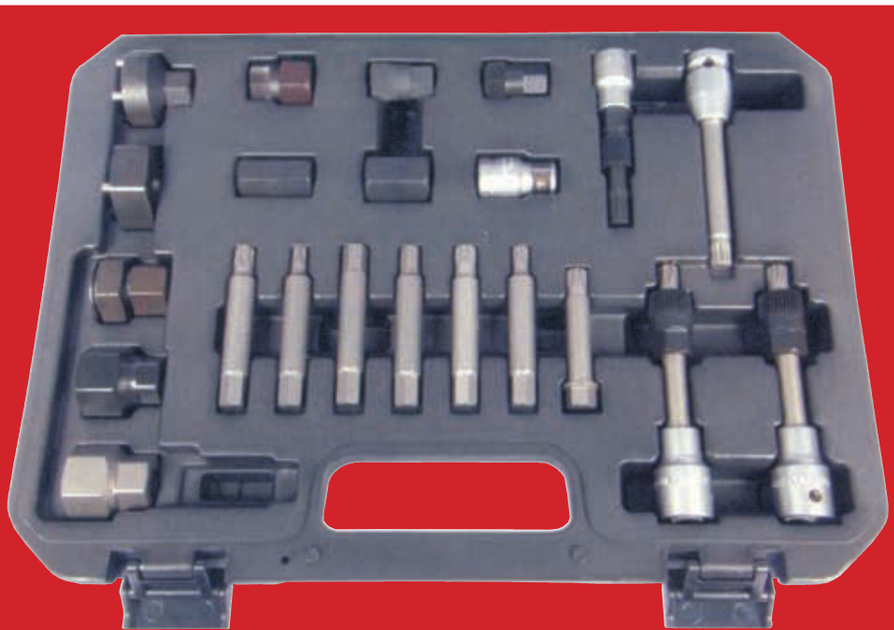
Large LCD display with bar graph
Peak hold and data hold
Zero setting key
Suitable for large, standard and mini fuses of cars, trucks, coaches and lift trucks

Grand écran avec barre graphique
Peak hold et data hold
Bouton de remise à zéro
Adéquat pour fusibles de type large, standard et mini de voitures, camions, cars, chariots élévateurs

Großer Display mit Bargraf
Peak-Hold- und Data-Hold-Funktion
Nulleinstellungstaste
Geeignet für große, kleine und Standard-Sicherungen
(Pkw, Lkw, Bus, Hubwagen)

Grande pantalla con barra gráfica
Peak hold y data hold
Tecla para anulación de los valores
Apto para fusibles de tipo ancho, estándar y mini de coches, camiones, autobuses, carretillas elevadoras

Cod. 05.078.04



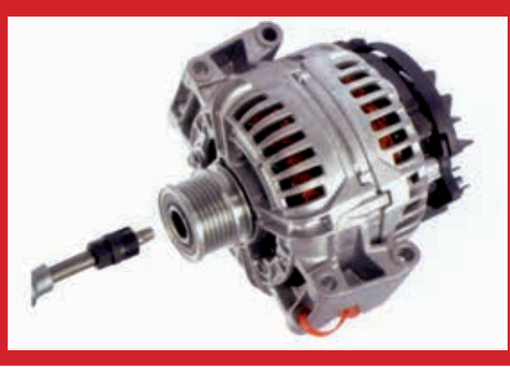
SET CHIAVI COMBINATE PER ALTERNATORI
(22Pcs)

KIT OF COMBINED WRENCHES FOR ALTERNATORS (22Pcs)

APPLICAZIONI / APPLICCATION:
ALTERNATORI - ALTERNATORS
BOSCH - DENSO

MARCHI/ BRANDS:
VW - AUDI - MERCEDES BENZ - RENOAULT
PEUGEOT - CITROEN - BMW - OPEL - FORD
FIAT - HONDA - PORSCHE

Diffusi dettagli a richiesta
More details on request



Cod. 05.078.02

Attrezzo smontaggio alternatori
Fiat Grande Punto

Tool to dismount alternators
of Fiat Grande Punto

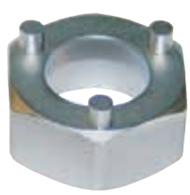
Cod. 05.078.05

NEW

chiave speciale
T70 foro 1/2",
per scarico olio cambi vag

special bit socket T 70
1/2" drive, for gearbox drain plugs on vag vehicles

Cod. 05.078.03



Attrezzo smontaggio alternatori
Nippon Denso

Tool to dismount alternators
of Nippon Denso

CONVERTITORI DC/AC

DC/AC CONVERTERS

Cod. 03.050.00

Cod. 03.050.02

COSA SONO
Dispositivi elettronici per produrre corrente alternata alimentandosi da batterie ad acido di auto e camion.

COSA SERVONO
Ad alimentare piccoli elettrodomestici, elettro-utensili, lampade, televisori, apparecchiature elettroniche, computer, forni a microonde, cellulari, pompe elettriche ecc.

SETTORE DI IMPIEGO
Uso privato,camper, furgoni attrezzati, ambulanti, protezione civile, allestimenti auto-ambulanze, settore allestimenti nautici

WHAT ARE THEY?

Electronic devices for producing alternate current from vehicles / trucks's batteries.

WHAT ARE THEY GOOD FOR?
To supply little electrical household appliances, electrical tools, lamps, televisions, diagnosis devices, computers, microwave ovens, mobile phones, electrical pumps etc.

USING SECTORS
Private use, camper, service vans, trader's vehicles, civil protection, furnishing of ambulance cars, nautical furnishing section.

Modelli di maggior potenza disponibili a richiesta

More powerful models available on request

CARATTERISTICHE TECNICHE TECHNICAL FEATURES	Modelli / Models **IHS200** cod. 03.050.00	 **IHS1200** cod. 03.050.02
Potenza resa continua Continuous Power	200 W 12 V DC	1200 W 12 V DC
Potenza di picco / Peak power	500 W	3000 W
Forma d'onda / Wave form	Sinusoid. Mod.	Sinusoid. Mod.
Efficienza / Efficiency	> 85%	> 85%
Assorb. senza carico / Absorp. without charge	0,3 A	1,0 A
Protezione contro corto circuito / Protection against short circuit	Si / Yes	Si / Yes
Soft start	Si / Yes	Si / Yes
Protezione sovratensione / Protection against over voltage	Si / Yes	Si / Yes
Raffreddamento a ventola / Cooling via fan	No	No
Spia allarme basso voltaggio / Alarm light low voltage	10,5 V +/- 0,5	10,5 V +/- 0,5
Interruzione alimentazione di batteria / Interruption of battery supply	Si / Yes	Si / Yes
Protezione contro inversione di polarità Protection against reverse polarity	Si / Yes	Si / Yes
Dimensioni mm / Peso Kg. Dimensions mm / Weight Kg.	192x95,6x64,53 0,834	300x205x78 3,250
Hi-pot	Si / Yes	Si / Yes
Protezione per forno a microonde Protection for microwave ovens	No	No
Optional / Facultatif		

COMPRESSORI D'ARIA A 12V
12 V AIR COMPRESSORS

Cod. 03.000.42

Compressore d'aria 12 V 30 A, massima pressione 10,3 Bar
Idoneo per vetture, camper e furgoni

12 V 30 A air compressore, maximum pressure 10.3 Bar
Suitable for cars, camping vans and commercial vans

Cod. 03.000.43

Compressore d'aria 12 V 23 A, massima pressione 10 Bar
Idoneo per vetture, carrozzieri e tempo libero

12 V 23 A air compressor, maximum pressure 10 Bar
Suitable for cars, bodyshops and non-commercial use

CAVI DI SOCCORSO
BOOSTER CABLES

Cod. 05.060.01

Cod. 05.060.02

Cod. 05.060.03

Cod. 05.060.04

	Sezione Section	Lunghezza Length	Uso Application	Norme Norms	
05.060.01 220A	16mm²	3mt	Auto Cars	TÜV GS CE	Borsa zip Zip bag
05.060.02 350A	25mm²	3,5mt	Auto camper veicoli commerciali *Cars* *campers* *commercial* *vehicles*	TÜV GS CE	Borsa zip Zip bag
05.060.03 480A	35mm²	4,5mt	Auto camper veicoli commerciali autocarri *Cars* *campers* *commercial* *vehicles* *trucks*	TÜV GS CE	Borsa zip Zip bag
05.060.04 1000A	50mm²	5mt	Movimento terra autocarri / bus *Earth-moving* *machines* *trucks / buses*	CE	Valigia ABS ABS case

Cod. 05.060.00

EVERSMART

CAVO DI SOCCORSO ELETTRONICO PROTETTO CONTRO INVERSIONI E CORTI CIRCUITI
(BREVETTATO) *CONFORME NORMATIVA CE e SAE.*

INTELLIGENT BOOSTER CABLE AGAINST INVERSIONS AND SHORT CIRCUITS (PATENTED).
IN CONFORMITY WITH CE AND SAE STANDARDS.

CABLE D'EMERGENCE CONTRE INVERSIONS ET COURT-CIRCUITS (PATENTE).
CONFORME AUX NORMES CE ET SAE.

ELEKTRONISCHES HILFSKABEL, MIT SCHUTZ VOR UMPOLUNGEN UND KURZSCHLUSS (PATENTGESCHÜTZT).
DEN CE UND SAE-VORSCHRIFTEN ENTSPRECHEND

CABLE DE SOCORRO ELECTRÓNICO PROTEGIDO CONTRA LAS INVERSIONES DE POLARIDAD Y LOS CORTOCIRCUITOS (CON PATENTE) *DE CONFORMIDAD CON LAS NORMATIVAS CE Y SAE*

Consente l'avviamento rapido e sicuro di autoveicoli da una batteria di soccorso o da batteria di altro veicolo. Nessun rischio di danno o scoppio delle batterie per morsetti in corto o collegamento errati. La polarità è selezionata automaticamente dal dispositivo elettronico (brevettato) e LED verdi indicano il collegamento alla batteria scarica e a quella di soccorso anche in luoghi non illuminati. La protezione totale e la commutazione automatica ne consente l'uso anche a utenti non professionali. Da utilizzare solo su impianti a 12 Volt. Fornito in borsa in plastica per il trasporto e istruzioni d'uso.

It allows rapid and save car starting from help battery or from other car's battery. It avoids danger of damage or explosion of batteries for small clamps in short circuit or error connections. Polarity is selected automatically by electronic device (patented) and green LED indicate connection to the discharged battery and to the help battery also in the unlighted places. Total protection and automatic commutation allow the use also by unprofessional users. To use only on the 12 Volt devices. Equipped with transport bag and instruction manual.

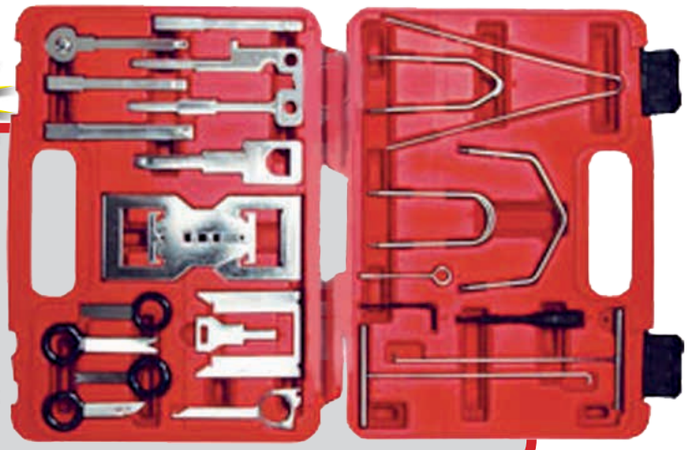
L'appareil permet le démarrage rapide et sûr de véhicules d'une batterie d'émergence ou de la batterie d'une deuxième voiture. Pas de risques de dégât ou d'explosion des batteries à cause d'étaux en court -circuit ou de branchement erroné. La polarité est sélectionnée automatiquement par un dispositif électrique (patenté) et LED verts montrent le branchement à la batterie déchargée et celle de secours aussi dans les lieux non illuminés. La protection totale et la commutation automatique permettent l'usage aux opérateurs non professionnels aussi. Ne utiliser que sur installations à 12 Volt. Fourni en sac en plastic pour le transport et avec les instructions d'usage.

Ermöglicht einen schnellen und sicheren Fahrzeugstart über eine Hilfsbatterie oder Batterie eines anderen Fahrzeugs. Kein Schaden- oder Explosionsrisiko der Batterien aufgrund von Klemmen in Kurzschluß oder Fehlverbindungen. Die Polarität wird automatisch von dem elektronischen Gerät (patentiert) angewählt und grüne LED zeigen die Verbindung zur leeren Batterie und zur Hilfsbatterie auch in nicht erleuchtetem Umfeld an . Dank Vollschutz und automatischer Umpolung können auch Laien dieses Gerät problemlos handhaben. Nur bei 12V Anlagen benutzen. Zum Lieferumfang gehören eine Transportplastiktasche und die Bedienungsanleitung.

Permite arrancar el vehículo rápido y seguramente de una batería de socorro o de la batería de otro vehículo. No hay ningún riesgo de daños o de explosión de las baterías debido a contactos en cortocircuito o conexión equivocada. El dispositivo electrónico (con patente) selecciona automáticamente la polaridad y los LED verdes indican la conexión a la batería descargada y a la batería de socorro también en lugares no iluminados. Gracias a la protección total y la conmutación automática también los ususarios no expertos pueden utilizar este dispositivo. Utilizar sólo con instalaciones de 12V. Bolsa de plástico para el transporte y manual de uso incluidos.

Cod. 05.097.00

NEW



KIT RIMOZIONE IMPIANTI RADIO (46 PZ.)
RADIO REMOVAL TOOL SET (46 PCS.)
KIT OUTILS POUR LE DÉMONTAGE DE RADIOS (46 PCS.)
KIT ZUM AUSBAU DER RADIOANLAGE (46 STCK.)
KIT DE HERRAMIENTAS PARA REMOVER INSTALACIONES RADIO (46 PZAS.)

- AUDI, BECKER, BECKER (dal 2002), BLAUPUNKT (dal 2002), BMW, CLARION (vecchi modelli), CLARION (nuovi modelli), FIAT BRAVA, FORD, JVC, KENWOOD 2 (1998-2001), MERCEDES BENZ, OPEL-INBUS, PANASONIC, PANASONIC (2006), PIONEER, PORSCHE, RK-KENWOOD 01, SKODA (DAL 2002), SONY I (2001), SONY II (2002), AUXHALL/OPEL, VW

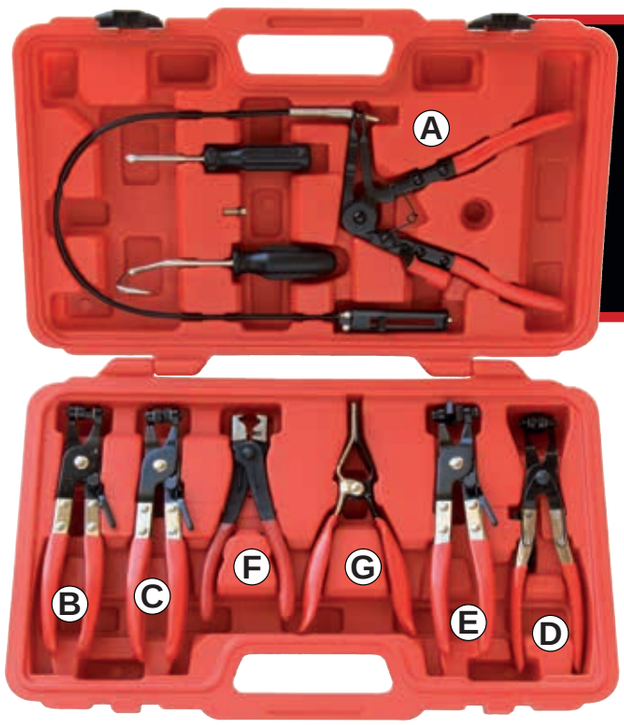
- AUDI, BECKER, BECKER (2002 ON), BLAUPUNKT (2002 ON), BMW, CLARION (OLD), CLARION (NEW), FIAT BRAVA, FORD, JVC, KENWOOD 2 (1998-2001), MERCEDES BENZ, OPEL-INBUS, PANASONIC, PANASONIC (2006), PIONEER, PORSCHE, RK-KENWOOD 01, SKODA (2002 ON), SONY I (2001), SONY II (2002), AUXHALL/OPEL, VW

- AUDI, BECKER, BECKER (DEPUIS 2002), BLAUPUNKT (DEPUIS 2002), BMW, CLARION (VIEUX MODÈLES), CLARION (NEUF MODÈLES), FIAT BRAVA, FORD, JVC, KENWOOD 2 (1998-2001), MERCEDES BENZ, OPEL-INBUS, PANASONIC, PANASONIC (2006), PIONEER, PORSCHE, RK-KENWOOD 01, SKODA (DEPUIS 2002), SONY I (2001), SONY II (2002), AUXHALL/OPEL, VW

- AUDI, BECKER, BECKER (ab 2002), BLAUPUNKT (ab 2002), BMW, CLARION (alte Modelle), CLARION (neue Modelle), FIAT BRAVA, FORD, JVC, KENWOOD 2 (1998-2001), MERCEDES BENZ, OPEL-INBUS, PANASONIC, PANASONIC (2006), PIONEER, PORSCHE, RK-KENWOOD 01, SKODA (ab 2002), SONY I (2001), SONY II (2002), AUXHALL/OPEL, VW

- AUDI, BECKER, BECKER (a partir de 2002), BLAUPUNKT (a partir de 2002), BMW, CLARION (viejos modelos), CLARION (nuevos modelos), FIAT BRAVA, FORD, JVC, KENWOOD 2 (1998-2001), MERCEDES BENZ, OPEL-INBUS, PANASONIC, PANASONIC (2006), PIONEER, PORSCHE, RK-KENWOOD 01, SKODA (A PARTIR DE 2002), SONY I (2001), SONY II (2002), AUXHALL/OPEL, VW

Cod. 05.062.00



KIT DI 7 PINZE SMONTAGGIO FASCETTE PER TUBI
KIT OF 7 HOSE CLAMP PLIERS
KIT 7 PINCES DEMONTAGE COLLIERS DE TUYAUX
KIT 7 ZANGEN ZUR SCHELLENDEMONTAGE
KIT DE 7 ALICATES PARA DESMONTAR ABRAZADERAS TUBOS

A) Pinza smontaggio fascette Ø18÷54mm in posti di difficile accesso con bloccaggio della fascetta
B) Pinza per fascette tipo "+" SLOT con cricchetto
C) Pinza per fascette tipo "V" SLOT con cricchetto
D) Pinza per fascetta inclinata con piatti rotanti
E) Pinza per fascette tipo VWagen con cricchetto
F) Pinza per fascette riusabili "CLIC" e "CLIC R"
G) Pinza per smontaggio tubi benzina e vuoti (da 5/32" a 1/2")

A) Hose clamp pliers Ø18÷54mm for place of difficult access with pliers locking
B) Hose clamp pliers type "+" SLOT with swivel jaw
C) Hose clamp pliers type "V" SLOT with swivel jaw
D) Angled flat band hose clamp pliers
E) Hose clamp pliers type VWagen with swivel jaw
F) Reusable hose clamp pliers "CLIC" and "CLIC R"
G) Fuel and vacuum hose remover pliers (starting with 5/32" up to1/2")

A) Pince démontage colliers Ø18÷54mm en points de difficile accès avec blocage des colliers
B) Pince pour colliers type "+" SLOT avec rochet
C) Pince pour colliers type V SLOT avec rochet
D) Pince pour colliers inclinée avec plates rotatives
E) Pince pour colliers type VWagen avec rochet
F) Pince pour colliers réutilisables "CLIC" et "CLIC R"
G) Pince pour démontage tuyaux essence et tuyaux vide (de 5/32" à 1/2")

A) Schellendemontagezange Ø18÷54mm für schwerzugängliche Stellen mit Blockierung der Schelle
B) Schellenzange Typ "+" SLOT mit Winde
C) Schellenzange Typ "V" SLOT mit Winde
D) Zange für gebogene Schelle mit Drehplatten
E) Schellenzange Typ VW mit Winde
F) Zange für wiederverwendbare Schellen "CLIC" und "CLIC R"
G) Zange zur Demontage von Benzin und Vakuum Leitungen (von 5/32" bis 1/2")

A) Alicates para desmontar abrazaderas Ø18÷54mm en zonas de acceso difícil con bloqueo de la abrazadera
B) Alicates para abrazaderas tipo "+" SLOT con carraca
C) Alicates para abrazaderas tipo "V" SLOT con carraca
D) Alicates para abrazaderas inclinada con mesas giratorias
E) Alicates para abrazaderas tipo VWagen con carraca
F) Alicates para abrazaderas reutilizables "CLIC" y "CLIC R"
G) Alicates para desmontar tubos gasolina y vacíos (desde 5/32" hasta 1/2")

Cod. WZRIC0287

NEW

ATTREZZATURA PER LA MANUTENZIONE DI IMPIANTI DI INIEZIONE BENZINA, DIESEL, E GPL

EQUIPMENTS FOR THE MAINTENANCE OF GASOLINE, DIESEL AND GPL INJECTION SYSTEMS
EQUIPMENTS POUR LE SERVICE DES SYSTEMES D'INJECTION ESSENCE, DIESEL ET GPL
AUSRÜSTUNGEN ZUR INSTANDHALTUNG VON BENZIN, DIESEL UND GPL EINSPRITZANLAGEN
HERRAMIENTAS PARA EL MANTENIMIENTO DE INSTALACIONES DE INYECCIÓN GASOLINA, DIESEL Y GPL

046/95

Cod. 04.030.00

MADE IN ITALY

PISTOLE STROBOSCOPICHE
STROBOSCOPIC GUNS
LAMPES STROBOSCOPIQUES
STROBOSKOPPISTOLEN
PISTOLAS ESTROBOSCÓPICAS

Pistola a mano Lampo Fisso 12V
Manual gun, fixed beam12V
Lampe manuelle à rayon fixe 12V
Feststrahl-Handpistole 12V
Pistola manual rayo fijo 12V

035

Cod. 04.031.00

MADE IN ITALY

PISTOLA STROBOSCOPICA DIGITALE
a 4 funzioni

MULTIFUNCTIONS DIGITAL
STROBO GUN FOR FUEL ENGINE

LAMPE STROBOSCOPIQUE DIGITALE
POUR MOTEUR A ESSENCE

DIGITALE MULTIFUNKTIONS-STROBOSKOPPISTOLE
FÜR VERBRENNUNGSMOTORE

PISTOLA ESTROBOSCÒPICA DIGITAL
con 4 funciones (gasolina)

- R.P.M. (9999 r.p.m.)
- Dwell (%)
- Anticipo (°)
- Volt (99,9 V)
- Dati tecnici vetture
- Valigetta di trasporto

- R.P.M. (9999 r.p.m.)
- Dwell (%)
- Advance (°)
- Volt DC (99,9 V)
- Case and hand book

- Tours moteur jusq'à 10.000
- Dwell (%)
- Avance (0÷99.9°)
- Volt (99,9 V)
- Données technique voiture
- Mallette en ABS

- Drehzahl: 9999
- Dwell (%)
- Vorleistung (°)
- Volt DC (99,9 V)
- Technische Daten des Fahrzeuges
- ABS-Koffer t/min

- R.P.M. (9999 r.p.m.)
- Dwell (%)
- Avance (°)
- Voltios (99,9 V)
- Datos técnicos vehìculos
- Maletín in ABS

035.1

Cod. 04.034.00

ADATTATORE DIESEL UNIVERSALE (12DC)

per rilievo giri e anticipo di impianti di iniezione diesel.
Sensore piezoelettrico Ø6mm incluso. Altre misure a richiesta.

Universal diesel adapter (12DC)
to test rpm and advance of diesel injection systems.
Piezoelectric sensor Ø6mm included, it is possible to have other diameters on request.

Adaptateur diesel universel (12DC)
pour le relèvement des tours et avance des systèmes d'injection diesel.
Senseur piézo-électrique Ø6mm inclus. Autres mesures sur demande.

Universal Diesel Adapter (12DC)
für Drehzahltest und Versteller von Dieseleinspritzanlagen.
Piezoelektrischer Sensor Ø6mm inbegriffen. Sonstige Abmessungen auf Anfrage.

Adaptador universal diesel (12DC)
para testar las revoluciones y el avance de las instalaciones de inyección diesel.
Sensor piezoeléctrico Ø6mm incluido, otros tananõs disponibles bajo pedido.

MADE IN ITALY

035/95

Cod. 04.033.00

PISTOLA STROBOSCOPICA BENZINA E DIESEL

TIMING LIGHT FOR PETROL AND DIESEL ENGINES

LAMPE STROBOSCOPIQUE ESSENCE ET DIESEL

STROBOSKOPPISTOLE BENZIN UND DIESEL

PISTOLA ESTROBOSCÒPICA GASOLINA Y DIESEL

5 Funzioni Benzina
2 Funzioni DIESEL:

- RPM (300 + 9.990 RPM)
- DWELL (20 ÷ 99.9°)
- VOLT (0,1 - 60 V)
- VOLT PICCO (0,1 - 60 V)
- ANTICIPO (0,1÷99,9°)
- RPM DIESEL
- ANTIC. DIESEL

5 Functions petrol
2 functions for diesel:

- RPM (300 + 9.990 RPM)
- DWELL (20 ÷ 99.9°)
- VOLT (0,1 - 60 V)
- VOLT PEAK (0,1 - 60 V)
- ADVANCE (0,1÷99,9°)
- RPM DIESEL
- ADVANCE DIESEL

5 Fonctions Essence
2 Fonctions DIESEL:

- RPM (300 + 9.990 RPM)
- DWELL (20 ÷ 99.9°)
- VOLT (0,1 - 60 V)
- VOLT DE PIQUE (0,1 - 60 V)
- AVANCE (0,1÷99,9°)
- RPM DIESEL
- AVANCE DIESEL

5 Funktionen Benzin
2 Funktionen DIESEL:

- RPM (300 + 9.990 RPM)
- DWELL (20 ÷ 99.9°)
- VOLT (0,1 - 60 V)
- VOLT SPITZE (0,1 - 60 V)
- VERSTELLER (0,1÷99,9°)
- RPM DIESEL
- VERST. DIESEL

5 funciones gasolina
2 funciones Diesel:

- GPM (300+9.990 GPM)
- Dwell (20÷99.9°)
- Voltios (0,1 - 60V)
- Voltios Pico (0,1 - 60 v)
- Avance (0,1 99.9°)
- GPM Diesel
- Avance Diesel

Cod. 01.000.25

CERCAFUGHE PER GAS INFIAMMABILI IMPIANTI GAS

Assistenza impianti GPL/metano auto e civili

LEAKSEEKER FOR INFLAMMABLE GASES

assistance for car and insustrial GPL/methane systems

DÉTECTEUR DE FUITES POUR GAZ INFLAMMABLE (SYSTÈME GPL)

Service sur systèmes GPL/méthane automobiles et civiles

LECKSUCHER FÜR ENTFLAMMBARE GASE (GASANLAGEN)

Service für Industrie und Auto GPL/Methan Anlagen

BUSCAFUGAS PARA GASES INFLAMABLES (INSTALACIONES GAS)

Asistencia para instalaciones GPL/metano de coches y civiles

Cod. 01.000.190

Cercafughe impianti aria condizionata e refrigerazione con miscela di azoto/idrogeno N_2/H_2

The ultimate leak seeker for air conditioning and HVAC with N_2/H_2 mixture

NEW

Con l'inasprirsi della legislazione in tema di trattamento dei gas fluorurati (Dir EU 842/2006) **SPIN presenta** il kit più innovativo per la individuazione di perdite negli impianti di aria condizionata e refrigerazione mobile e civile.

Grazie al nuovo cercafughe elettronico, studiato specificatamente per le nuove miscele N2/H2 (max. 5% H2) all'immissione di questa miscela nell'impianto in pochi minuti è possibile:

1) controllare la tenuta dell'impianto
2) individuare la posizione della perdita.

Il kit include:

- bombola di N2/H2 (950 cc a 110 bar)
- riduttore professionale (48 bar) con manometro a doppio indice
- tube flessibile con attacco ¼ SAE
- attacco girevole per bombola
- cercafughe elettronico per N2/H2
- valigetta di trasporto

Due to the tightening of the legislation on fluorinated gases (Dir EU 842/2006) **SPIN** presents the most innovative kit for the detection of leaks in air conditioning systems and mobile/civil refrigeration.

The new electronic leak detector is designed specifically for the new mixtures N2/H2 (max. 5% H2). Placing of this mixture in the system in a few minutes you can:

1) check the system for leaks
2) detect leak location

The kit includes:

- N2/H2 bottle (950 cc at 110 bar)
- professional pressure reducer (48 bar) with double index gauge
- flexible tube with ¼ SAE coupling
- swivel coupling for the bottle
- electronic leak detector for N2/H2
- transport case

* POTRANNO ESSERE APPORTATE, SENZA OBBLIGO DI PREAVVISO, MODIFICHE AL PRESENTE ARTICOLO
MODIFICATIONS TO THE PRODUCT MAY BE PERFORMED WITHOUT NOTIFICATION
LE PRODUIT PEUT ÊTRE MODIFIÉE SANS PRÉAVIS
WIR BEHALTEN UNS DAS RECHT VOR, ÄNDERUNGEN OHNE VORHERIGE INFORMATION DURCHZUFÜHREN
EL PRODUCTO PUEDE SER MODIFICADO SIN OBLIGACIÓN DE AVISO

Cod. 01.000.190

Détecteur de fuites pour systèmes de climatisation et de réfrigération qui utilise un mélange d'azote et d'hydrogène N_2/H_2

En raison de l'aggravation de la législation relative au traitement des gaz fluorés (Règlement CE 842/2006), **SPIN** présente l'équipement le plus innovant pour la détection des fuites dans les systèmes de climatisation et de réfrigération mobile et civile.
Le nouveau détecteur de fuite électronique est conçu spécifiquement pour les nouveaux mélanges de N2/H2 (max. 5% H2). La mise en place de ce mélange dans le système en quelques minutes vous permettra de:

1) vérifier l'étanchéité du système;
2) identifier la position exacte de la fuite.

L'équipement comprend:

- ❒ bouteille N2/H2 (950 cc à 110 bar)
- ❒ adaptateur professionnel (48 bar) avec manomètre à double échelle
- ❒ tuyau flexible avec raccord ¼ SAE
- ❒ raccord tournant pour bouteilles
- ❒ détecteur de fuite électronique pour N2/H2
- ❒ mallette de transport

Lecksuchsatz für Klimaanlagen und Kühltechnik mi einer Mischung aus Stickstoff und Wasserstoff N_2/H_2

SPIN präsentiert das innovative das Lecksuchgerät für Klimaanlagen und mobile Kältetechnik (vor dem Hintergrund der Verschärfung der Rechtsvorschriften über fluorierte Gase - Dir EU 842/2006)

Das neue elektronische Lecksuchgerät ist speziell für die neue N2/H2 Mischungen (max. 5% H2) entwickelt. Die Mischung wird in das Klimasystem eingeführt und in wenigen Minuten kann man:

1) das System auf Undichtigkeiten prüfen
2) die Position der Leckage feststellen

Das Kit enthält:

- ❒ N2/H2 Flasche (950 cc, 110 bar)
- ❒ Druckminderer (48 bar) und Zusatzmanometer mit dem Doppelanzeiger
- ❒ Schlauch mit ¼ SAE Schnellkupplung
- ❒ Drehkupplung für die Flasche
- ❒ elektronisches Lechsuchgerät für N2/H2
- ❒ Transportkoffer

Detector de fugas para aire acondicionado y sistemas de refrigeración con mezcla de hidrógeno/nitrógeno N_2/H_2

Trás el endurecimiento de la legislación relativa al tratamiento de los gases fluorados (Reglamento CE 842/2006), **Spin** presenta su equipo más innovador para la detección de fugas en los sistemas de aire acondicionado y refrigeración móvil y civil. Gracias a nuestro nuevo detector de fugas electrónico, diseñado específicamente para las nuevas mezclas de N2/H2 (máx. 5% H2), la inclusión de esta mezcla en el sistema os permitirá dentro de pocos minutos de:

3) comprobar la resistencia o estanqueidad del sistema;
4) determinar la posición exacta de la fuga.

El equipo incluye:

- ❒ cilindro de N2/H2 (950 cc, 110 bar)
- ❒ reductor industrial (48 bar) con manómetro de escala doble
- ❒ Tubo flexible con conector ¼ SAE
- ❒ Conector de cilindros giratorio
- ❒ Detector de fugas electrónico para N2/H2
- ❒ maletín de transporte

Cod. 01.000.189

Cercafughe Azoto / Idrogeno
a norme MSHA idoneo per l'uso con bombole N_2/H_2 (max. 5% H_2)

Nitrogen / Hydrogen Tracer Gas Leak Detector
Complies with MSHA suitable to use with bottles N_2/H_2 (max. 5% H_2)

Détecteur de fuites Hélium/Azote
Homologué par MSHA approprié pour une utilisation avec bouteilles de N_2/H_2 (max. 5% H_2)

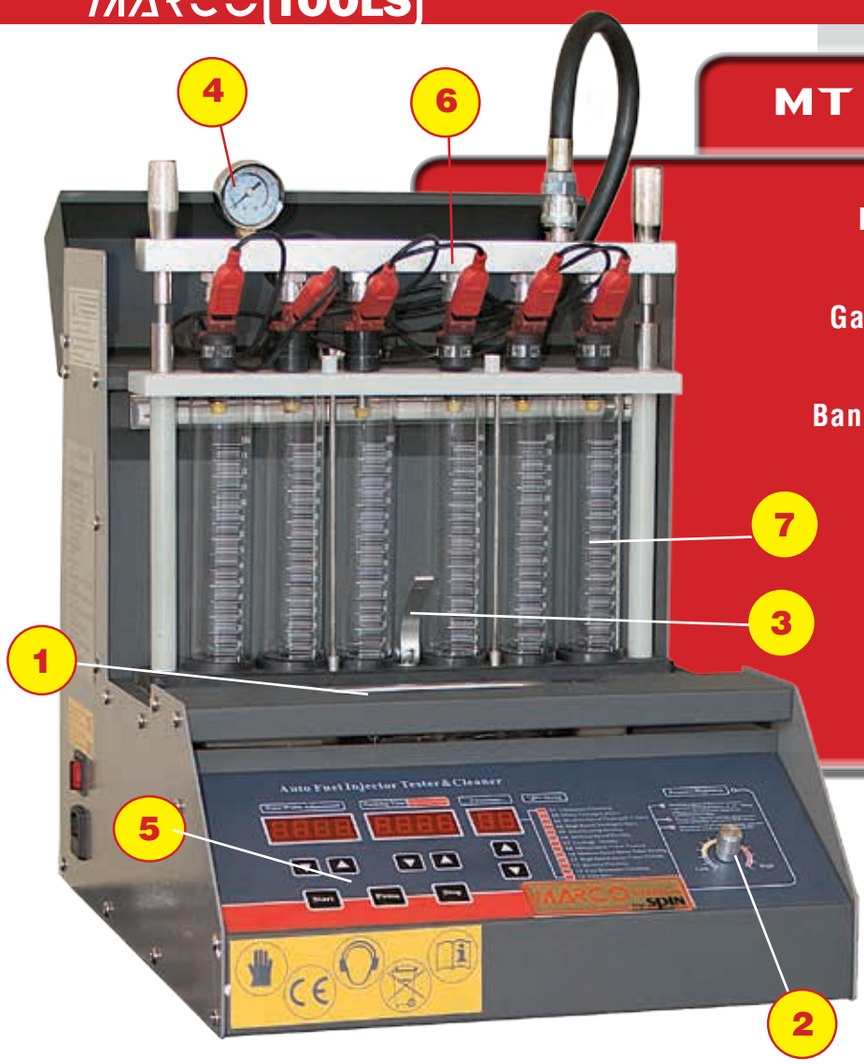
Stickstoff / Wasserstoff - Lecksuchgerät
entspricht der MSHA-Norm, geeignet für N_2/H_2 -Flaschen (Max. 5% H_2)

Detector de fugas Helio/Nitrógeno
Conforme a la norma MSHA, apropiado para cilindros de N_2/H_2 (máx 5% H_2)

Caratteristiche tecniche/Tecnical Features/Technische Daten/Caractéristiques techniques/Características técnicas	
Sensibilità/Sensibility/Empfindlichkeit/Sensibilité/Sensibilidad	**>1 gr all'anno/per year/pro Jahr/par an/por año**
Durata del sensore/Sensor Life/Lebensdauer/Durée de vie du capteur/ Duración de vida del sensor	**>300 ore/hours/Stunden/heures/horas**
Alimentazione/Power supply/Stromversorgung/Alimentation/Alimentación	**4 AA Alkaline batteries/piles alcalines/pilas alcalinas**
Riscaldamento/Warm up time/Aufwärmezeit/Temps de chauffage/Tiempo de calentamiento	**>15 sec/segundos**
Display numerico/Numerical display/Numerisches Display/Écran numérique/Pantalla numérica	**1 - 9**
Peso/Weight/Gewicht/Poids/Peso	**550 gr**
Garanzia/Warranty/Garanitie/Garantie/Garantía	**2 anni/years/Jahre/ans/años**

MT 7

Cod. 02.017.00



Banco Prova iniettori benzina con vasca ad ultrasuoni incorporata ***(6 iniettori)***

Gasoline injector test bench with ultra-sound tank integrated ***(6 injectors)***

Banc essai injecteurs essence avec machine à ultrasons incorporée ***(6 injecteurs)***

Prüfstand für Benzin-Einspritzventile mit integriertem Ultraschall Becken ***(6 Einspritzventile)***

Banco Prueba para inyectores de gasolina con cuba de ultrasonidos integrada ***(6 inyectores)***

Possibilità di provare iniettori Mono e Multipoint (TBI/MPFI) e metano

It can test mono the following types of injectors:
Mono and Multipoint (TBI/MPFI) and methane

Possibilité de tester injecteurs
Mono et Multipoint (TBI/MPFI) et méthane

Möglichkeit zu prüfen Mono- und Multipointinjectoren (TBI/MPFI) und Methan

Posibilidad de probar inyectores
Mono y Multipoint (TBI/MPFI) y metano

1. Vasca ultrasuoni
2. Regolatore elettrico pressione di prova
3. Leva scarico simultaneo burette
4. Manometro pressione rail
5. Tastiera selezione programmi automaticie liberi
6. Rail standard (Top feed)
7. Burette di prova con illuminazione a led

1. Ultrasonic tank
2. Electric regulator of test pressure
3. Lever for simulta neous discharge of the burettes
4. Rail pressure gauge
5. Keypad for selection of programs (automatic and of your choice)
6. Rail standard (top feed)
7. Test burettes with led light

1. Bac à ultrasons
2. Régulateur électrique de la pression d'essai
3. Levier déchargement simultané des burettes
4. Manomètre pression du rail
5. Clavier sélection des programs automati ques et libres
6. Rail standard (Top feed)
7. Burettes d'essai avec illumination à leds

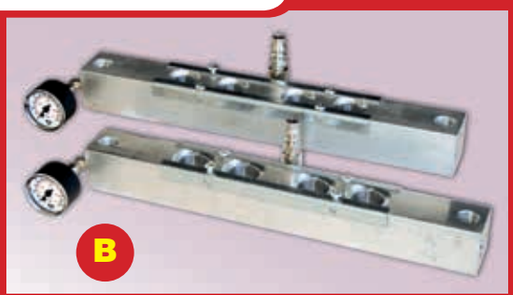
1. Ultraschallwaschtank
2. Elektrischer Regler Probe Druck
3. Hebel gleichzeitige Ablass Bürette
4. Druck Rail Manometer
5. Tastatur für automatische und freie Programme Auswahl
6. Standard Rail (top feed)
7. Test Bürette mit Led Beleuchtung

1. Cuba de ultrasonidos
2. Regulador eléctricode la presión de prueba
3. Palanca de descarga simultánea de lasburetas
4. Manómetro presión rail
5. Teclado para la selección de los programas (automáticos y de vuestra elección)
6. Rail estándar (Top feed)
7. Buretas de prueba iluminadas con led

Carrello / Trolley

Cod. 05.088.19

Cod. 02.000.55



(B) kit per iniettori (side-feed)
kit for injectors (side-feed)

Corredo Base MT7 (A)
Basic outfits for MT7 (A)

Cod. 02.018.00

MT 8

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES CARACTÉRISTIQUES TECHNIQUES - TECHNISCHE MERKMALE CARACTERÍSTICAS TÉCNICAS	MT-7	MT-8
No. Iniettori - No. Injectors - No. Injecteurs No. Einspritzventile - No. Inyectores	6	8
Alimentazione - Power supply - Alimentation Versorgung - Alimentación:	220V 50/60Hz; 110V 60Hz (*)	220V 50/60Hz; 110V 60Hz (*)
Gamma temperatura -Temperature range - Gamme températures Temperaturbereich - Gama temperatura	+10°/+40°	+10°/+40°
Potenza ultrasuoni - Ultra-sound power - Puissance ultrasons Ultraschallleistung - Potencia ultrasonidos	70W	100W
Gamma frequenza Eccitazione iniettori Injector excitation frequency range Gamme fréquence excitation injecteurs Frequenzbereich Erregung Einspritzventile Gama frequencia excitación inyectores	0-7500 rpm	0-7500 rpm
Gamma impulso di iniezione - Injection impulse range Gamme impulse d'injection - Einspritzimpulsbereich Gama impulso de inyección	0-9990 (100 impulses)	0-9990 (100 impulses)
Tempo di prova - Testing time - Temps d'essai Testzeit - Tiempo de prueba	0-10 minutes	0-10 minutes
Ampiezza impulsi di iniezione Injection impulse width Temps d'injection Einspritzimpulsweite Amplitud impulsos de inyección	0-20msec (0,1 msec incremento) 0-20msec (0,1 msec increase) 0-20msec (0,1 msec incrément) 0-20msec (0,1 msec Anstieg) 0-20msec (0,1 msec aumento)	
Gamma pressioni - Pressure range- Gamme pressioni Druckbereich - Gama presión	0-5 bar	0-5 bar
Dimensioni - Dimensions - Dimensions Abmessungen - Dimensiones	mm 450x430x510	mm 450x430x510
Peso - Weight - Poids - Gewicht - Peso	30 Kg	32 Kg
Basamento - Trolley - Baisement - Basis - Carro Cod.05.088.19*a richiesta - on request - sur demande auf Anfrage - bajo pedido	18,50 Kg	18,50 Kg

Accessori inclusi - Included accessories Accessoires inclus Zubehör im Lieferumfang - Accesorios incluidos	
Cassetta - Case - Mallette Case - Maletín	(A)
A richiesta - On request - Sur demande Auf Anfrage - Bajo pedido	
kit per iniettori (side-feed) (B) kit for injectors (side-feed) (B) kit pour injecteurs (side-feed) (B) Kit für Einspritzventile (side-feed) (B) kit para inyectores(side-feed)B)	(B)
Basamento - Trolley - Baisement - Basis - Carro	Cod. 05.088.19

Cod. 05.049.00

SINCRONIZZATORE
per carburatori a 4 vacuometri completo di tubi e attacchi.

CARBURETTOR'S SYNCRONIZER,
with 4 vacuum-meters, complete with hoses and fittings.

SYNCHRONISEUR
pour carburateur avec 4 vacuo-mètres, complets de tuyaux est raccords.

GLEICHLAUFEINRICHTUNG
für Vergaser mit 4 Vakuummessern, komplett mit Schläuchen und Fittings.

SINCRONIZADOR
para carburadores con 4 vacuómetros con tubos y empalmes.

Utenti:
officine moto,
motori marini

Main final users:
motor cycles workshops,
marine engine workshops

Utilisateurs:
garage motos,
moteurs marins

Hauptsächliche Endverbraucher:
Motorradwerkstätten,
Werkstätten für Bootsmotore

Usuarios:
talleres para motocicletas,
talleres para motores naúticos

Cod. 04.023.10

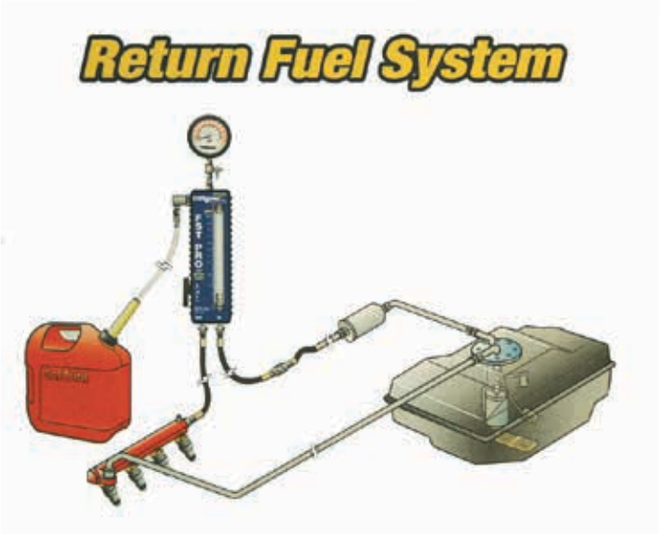
KIT CONTROLLO IMPIANTI DI INIEZIONE
Fuel system tester
Contrôle des systems d'injection essence
Tester benzin einspritzsystem
Control instalaciòn de inyecciòn de gasolina

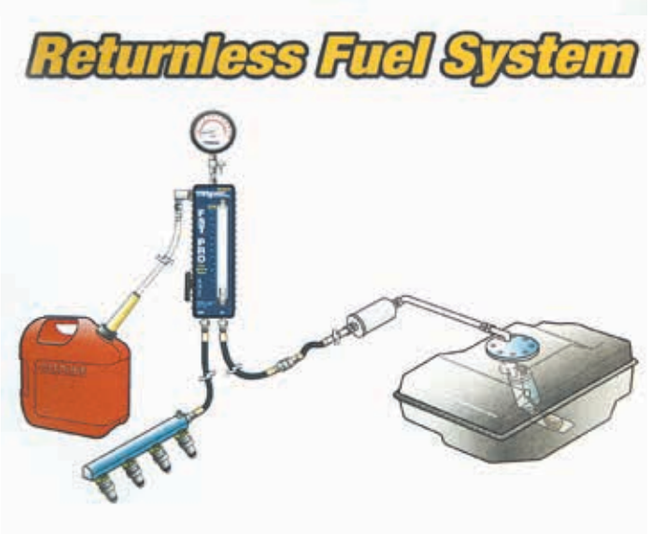
Il kit più completo disponibile sul mercato per la diagnosi di pressione e portata di pompe di iniezione benzina e diesel (bassa pressione)

Dettagliato manuale di istruzioni multilingue (italiano, inglese, francese, tedesco, spagnolo) con dati sull'efficienza delle pompe (lt-min/galloni-min) ai vari regimi di giri. A

Possibilità di controllo impianti con ritorno in serbatoio B e senza ritorno C (con regolazione meccanica o elettronica)

Grazie alla sua valvola di regolazione flusso D brevettata è possibile testare le prestazioni dell'impianto in tutte le condizioni di carico.





Cod. 02.016.04

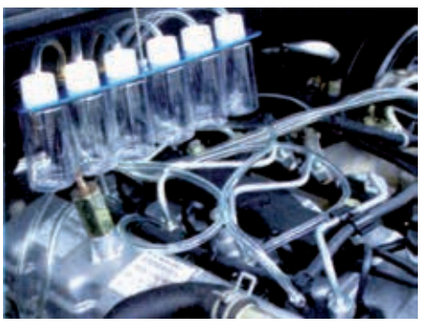
Nuovo kit master per controllo portata di ritorno impianto common rail

New kit master for the black flow control of common rail systems

Nouveau kit master pour contrôle débit de retour installation common rail

Neue Kit Master für die Kontrolle von Rückkehrumfang Common Rail Gerat

Nuevo kit master para el control de la capacidad de retorno de las instalaciones common rail



Permette un rapido controllo delle portate di iniettori Bosch, Siemens, Delphi dei principali sistemi common rail (auto e veicoli commerciali) identificando eventuali anomalie.

Il kit include:

1. Rampa con 8 burette graduate, 8 tubi e raccordi dritti per collegamento alle uscite degli iniettori
2. 8 raccordi per iniettori Delphi
3. 24 raccordi a 90° per iniettori iniettori Bosch, Siemens, Delphi
4. 8 burette da 10cc per collegamento diretto a iniettori common rail Mercedes.

It enables you to perform a quick control of the back flow of the main common rail systems (cars and commercial vehicles) detecting possible anomalies.

The kit includes:

1. Manifold with 8 graduated burettes, 8 straight hoses and couplings for the connection to the injector outlet.
2. 8 couplings for Delphi injectors
3. 24 90° couplings for injectors iniettoriBosch, Siemens, Delphi
4. 8 10 cc burettes for direct connection to Mercedes common rail injectors

Permet un contrôle rapide des débits des injecteurs Bosch, Siemens, Delphi des principaux systèmes common rail (voitures et véhicules commerciaux) en identifiant d'éventuelles anomalies.

Le kit inclut :

1. Rampe avec 8 burettes graduées, 8 tubes et raccords droits pour branchement aux sorties des injecteurs
2. 8 raccords pour injecteurs Delphi
3. 24 raccords à 90° pour injecteurs Bosch, Siemens, Delphi
4. 8 burettes de 10cc pour branchement direct sur injecteurs common rail Mercedes.

Es erlaubt eine Schnelle Kontrolle der Umfange von Bosch, Siemens, Delphi Injektoren von die hauptsächliche Common Rail Systeme (Autos und Verkehrzeuge) und es kann mögliche Abweichungen identifizieren.

Das Kit besteht aus:

1. Rampe mit 8 graduierte Büretten, 8 Röhre und schlaue Anschlusse für die Verbindung an die Injektorenausgänge
2. 8 Anschlusse für Delphi Injektoren
3. 24 90° Anschlusse für Bosch, Siemens, Delphi Injektoren
4. 8 10cc Büretten für direkte Verbindung an Common Rail Mercedes Injektoren

Permite un control rápido de las capacidades de retorno de los inyectores Bosch, Siemens, Delphi de las principales instalaciones common rail (coches y vehículos comerciales) detectando posibles anomalías.

El kit incluye:

1. Rampa con 8 buretas gradua das, 8 tubos y empalmes rectos para la conexión a las salidas de los inyectores
2. 8 empalmes para inyectores Delphi
3. 24 empalmes de 90° para inyectores Bosch, Siemens, Delphi
4. 8 buretas de 10cc para la conexión directa a inyectores common rail Mercedes

Cod. 05.056.04

Attrezzatura per smontaggio filtro gasolio motori multijet Fiat/Opel

Equipment to dismantle the diesel filter in multijet engines by Fiat/Opel

Equipement pour le démontage du filtre gazoline moteurs multijet Fiat/Opel

Demontage Ausstattung für Dieselfilter in Multijet Motoren von Fiat/Opel

Herramienta para desmontar el filtro diesel en motores multijet Fiat/Opel

Cod. 02.020.05

POMPA MANUALE

Per prova iniettori diesel fino a 600 bar

MANUAL PUMP

For diesel injector tester up to 600 bars

POMPE MANUELLE

Pour testeur d'injecteurs diesel jusqu'à 600 bar

Manuelle Pumpe

Für Diesel-Injektor-Tester bis zu 600 bar

BOMBA MANUAL

Para proba inyectores diesel hasta 600 bar

Cod. 02.020.54

Comparatore digitale millesimale multifunzionale

Multifuntional electronic digital indicator large display

Funzioni principali:

Ø 60mm DIN 878
azzeramento
memoria min/max
risoluzione 0,001
precisione 0,005
con adattatore per iniettori Bosch
utilizzare con cavo eccitazione da Banco CR4 TFT

General Functions:

Ø 60mm DIN 878
zero point
hold min/max
reading 0,001
accuracy 0,005
with the adapter for Bosch injectors usable with the excitation cable from the CR4 TFT Bench

NEW

Cod. 02.020.35

Piastra smonta iniettori Common Rail Delphi11/12/13/19 mm

Retaining clamp for mounting and dismounting Delphi Common Rail injectors with opening of 11/12/13/19 mm

Cod. 02.020.36

Piastra smonta iniettori Common Rail Volvo, Ducato, BMW 14/16/20 mm

Retaining clamp for mounting and dismounting Volvo, Ducato, BMW Common Rail injectors 14/16/20 mm

Cod. 02.020.37

Piastra smonta iniettori Common Rail 15/17/18/22 mm

Retaining clamp for mounting and dismounting Common Rail injectors with opening of 15/17/18/22 mm

Cod. 05.090.07

Misure disponibili
Available sizes
Tamaños disponibles:

8 mm L=155mm;
9 mm L=155mm;
10 mm L=155mm;
11 mm L=155mm;
12 mm L=155mm;
14 mm L=155mm;
16 mm L=155mm;

Serie di 6 bussole snodate per candelette (lunghe)

Per uno smontagio sicuro delle candelette anche in posizioni difficili da raggiungere. Includono anello in gomma per mantenimento candeletta.

Kit 6 jointed sockets for plugs (long)

To dismount safely the plugs also those positioned in difficult positions to be reached. It includes a rubber ring to hold the plug.

Kit de 6 casquillos para bujías (largos)

Para desmontar en seguridad las bujías que están colocadas en zonas dificiles de llegar. Incluye un anillo de goma para la bujía.

Cod. 05.090.08

Estrattori per iniettori common rail.

Il kit include:
Martello a battente (Kg 1,75),
adattatore M17x1.0
Adattatore M27x1.0 per iniettore CR Bosch,
adattatore M12x1,75
In valigetta antiurto.

9 pcs Common Rail Injectors extractor set

The kit includes:
Slide Hammer (Kg 1,75),
adaptor M17x1.0,
adapter M27x1 fro Bosch injector head,
Adapter with M12x1,75 .
Blow mould case included.

Cod. 05.090.09

KIT 4 FRESE PER SEDI GUARNIZIONI PARAFIAMMA

4 PCS DIESEL INJECTOR SEAT CUTTER SET

Il kit include :
1 mandrino guida fresa
2 Fresa piana Ø 15 mm per applicazioni universali
3 Fresa piana Ø17 mm per iniettori Delphi/Bosch (BMW,PSA,RENAULT,FORD)
4 Fresa piana Ø19 mm per iniettori Bosch (Mercedes CRD)
5 Fresa conica Ø19 mm per iniettori Fiat/Iveco

Materiale :
SKD11 durezza 58-60 HRC
In valigetta antiurto
Caratteristiche tecniche:
- rettica sedi degli iniettori diesel prima di rimontarli
- evita rischi di fuori uscita di gas di scarico e depositi carboniosi, perdite dicompressione
- utilizzabile su tutte le moderne applicazioni di sistemi Common Rail.

The set includes:
1 pilot post
2 15 mm flat reamer - universal applications
3 17 mm flat reamer - Delphi/Bosch injetors (BMW,PSA,RENAULT,FORD)
4 19 mm flat reamer - Bosch injectors (MERCEDES CRD)
5 19 mm angled reamer (Fiat/Iveco)

Stee: SKD11 Hardness 58-60 HRC
Blow mould case included.

Features:
- "Re-face" the diesel injector seat in order for the new or reconditioned injector to be fitted correctly
- Clean and re-cutting of injector seat
- Avoid an high risk of 'blow by'occurring couse of the build up of carbon desposits and effect of corrosion.- Applicationforallmodern common rail diesel engines

Cod. 04.024.02

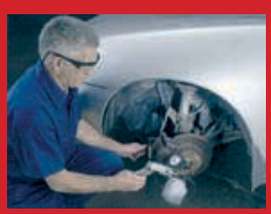
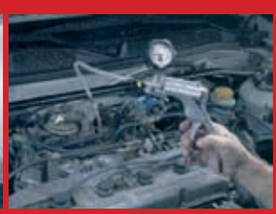
Nuova pompa vuoto e pressione "Mytivac"

New vacuum and pressure pump "Mytivac"

Nouvelle pompe vide et pression « Mytivac »

Neue Vakuum- und Druckpumpe „Mytivac"

Nueva bomba de vacío y presión "Mytivac"

Maggiori prestazioni (-1/+4 bar)
Manometro con protezione in gomma rotante a 360° A
Selezione vuoto-pressione con una sola mano
Impugnatura ergonomica C
Contenitore olio freni esausto collegato direttamente alla pompa B

Better performance (-1/+4 bar)
Gauge with rubber protection rotating 360° A
Selection vacuum-pressure with only one hand
Hergonomical handle C
Exhausted brake oil recipient connected directly to the pump B

Meilleures prestations (-1/+4 bar)
Manomètre avec protection en caoutchouc rotatif à 360° A
Sélection vide-pression avec une seule main
Poignée ergonomique C
Conteneur huile usée freins relié directement à la pompe B

Bessere Leistungen (-1/+4 bar)
Manometer mit Gummischutz, drehend 360° A
Auswahl Vakuum-Druck- mit nur einer Hand
Ergonomischer Griff
Behälter für Altbremsöl direkt an die Pumpe B angeschlossen

Mayores prestaciones (-1/+4 bar)
Manómetro con protección de caucho giratorio de 360° A
Selección vacío-presión con una mano sola
Empuñadura ergonómica C
Recipiente de aceite frenos usado conectado directamente a la bomba B

Cod. 04.024.01

NEW

Pompa a vuoto e pressione (-1/3 bar)

Vacuum-pressure pump (-1/3 bar)

Pompe a vide et pression (-1/3 bar)

vakuum-druck pumpe (-1/3 bar)

Bomba manual presión-depresión (-1/3 bar)

Completa di accessori in valigetta ABS
Supplied with accessories in ABS case
Livrée avec accessories encoffret ABS
Komplett mit Zubehör in ABS Case
Con accesorios en maletín de ABS incluidos

Art. 013.4 EVO

Cod. 04.012.02

CONTAGIRI MOTORE BENZINA E DIESEL

UNIVERSAL REV. COUNTER FOR FUEL AND DIESEL ENGINES

COMPTE-TOURS UNIVERSEL MOTEURS ESSENCE ET DIESEL

ALLGEMEINER DREHZAHLMESSER BENZIN UND DIESEL MOTORE

CUENTARREVOLUCIONES UNIVERSAL MOTORES GASOLINA-DIESEL

Versatile: può essere usato sia come contagiri indipendente sia come accessorio collegato alla maggior parte di analizzatori gas e opacimetri presenti sul mercato. Essenziale per accensioni statiche e in mancanza di cavi candela.

Versatile: it can be used either as independent rev counter or as an accessory for a very large range of gas analyzers and smoke-meters. Essential for DIS ignitions and for engines without spark plug cables. Homologated according to Italian law D.M. 628

Il peut être utilisé soi comme compte-tours indépendant ou branché à la plus part des analyseur et opacimètres. C'est nécessaire pour les allumages statiques et sans les câbles bougie. Homologué DM 628

VIELSEITIG. Verwendung sowohl als unabhängiger Drehzahlmesser oder auch verbunden mit den meisten herkömmlichen Analysatoren und Undurchsichtigkeitsmessern. Unerläßlich für statische Zündungen und beim Fehlen von Zündkerzenkabeln.

VERSÁTIL: puede ser utilizado como cuentarrevoluciones independente o conectado con la mayorìa de los analizadores y opacìmetros presentes en el mercado. Indispensable para encendidos estàticos y cuando faltan los dos cables bujias. Homologado DM 628.

APPLICAZIONI

- Linee di revisione auto e autocarri
- Settore moto
- Motori marini
- Generatori di corrente
- Moto compressori
- Autocarri/macchine agricole

APPLICATIONS

- Testing lines for cars and trucks
- Testing lines for motorcycles
- Marine fuel and diesel engines
- Current generators
- Engine compressors
- Truck and agricultural tractors

APPLIANCES

- Lignes révision voitures et camions
- Motocycles
- Moteurs marins
- Générateurs de courant
- Moto-compresseurs
- Camions: machines agricoles

ANWENDUNGSBEREICHE

- PKW- und LKW - Revisionslinien
- Bewegungssektor
- Bottsmotore
- Stromerzeuger
- Kompressormotore
- LKW/ Landbaumaschinen

APLICACIONES

- Lìneas de revisiòn coches y camiones
- Sector motos
- Motores marinos
- Generadores de corriente
- Moto compresores
- Camiones, Màquinas agricolas

INCLUSI

Corredo Standard AC1
Cavo alimentazione batteria
AC2 Cavo con sensore magnetico
AC3 Cavo seriale per opacimetro

STANDARD EQUIPMENT

AC1 power cable from battery
AC2 magnetic pick-up cable
AC3 cable for diesel adapter

EQUIPMENT STANDARD

AC1 cable batteries
AC2 senseur magnetique
AC3 cable seriel pour opacimetre

STANDARDZUBEHÖR

AC1 Speisekabel
AC2 Kabel für magnetsensor
AC3 Universalkabel
für impulsausgang

ACCESORIOS ESTÁNDARD

AC1 CABLES BATERÌA
AC2 SENSOR MAGNÉTICO
AC3 CABLE SALIDA IMPULSOS

CARATTERISTICHE TECNICHE

- Trasmissione contagiri via seriale RS232/485
- Uscita impulso frequenza giri tramite cavi accessori
- Uscita impulso frequenza giri per pinze ad introduzione
- Selezione numero dei cilindri (1-8)
- Selezione tempi (2-4)
- Alimentazione da 10 a 28 Volt CC (batteria del veicolo)
- Dimensioni: 220x50x110mm
- Campo di misura: da 300 a 9990 giri/min Ris. 10

TECHNICAL SPECIFICATIONS

- RS 232/485 serial output for p.C.
- Rev. counter for diesel engines
- Rev. conter for fuel engines (with pick up clamp)
- Nr. of cylinder selector (1-8)
- 2-4 cycles selector
- Power supply form 10-28 Volt DC
- Dimensions: 220x50x110
- Measurement range: 300-999 r.p.m. Ris. 10

CARACTÉRISTIQUES TECHNIQUES

- Transmission valeur compte-tours par port sériel RS232/485
- Sortie impulse fréquence tours par câbles accessoires
- Sortie impulse fréquence tours pour pinces à induction;
- Sélection nombre des cylindres (1-8)
- Sélection temps (2-4)
- Alimentation de 10 à 28v c.c. (Batteries du véhicule)
- Dimensions 220x50x110mm
- Champ de mesure: de 300 à 9990 tours/min. Rs. 10

TECNISCHE DATEN

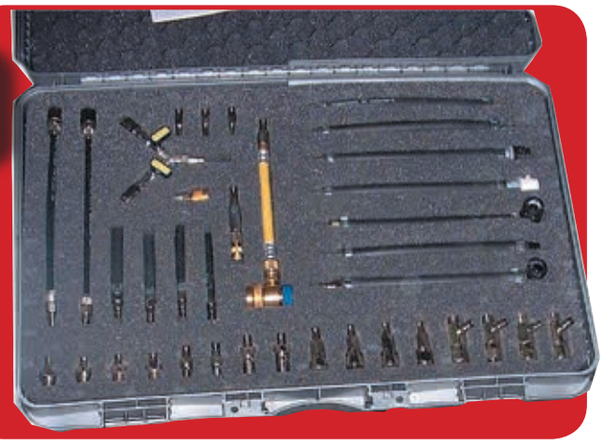
- Drehzahlmesserwertübertragung über Schnittstelle RS232/485
- Frequenzimpulsausgang umdrehungen mittels Zubehuorkabel
- Frequenzimpulsausgang umdrehungen mittels Induktionszangen
- Nummerauswahl der Zylinder(1-8)
- Zeitwahl (2-4)
- Versorgung von 10 bis 29 V CC (Autobatterie)
- Abmessungen: 220x50x110mm
- Messungsbereich: von 300 bis 9990 Umdr/min

CARACTERÌSTICAS TÉCNICAS

- Transmisiòn valorcuentare-voluciones via serial RS232/485
- Salida impulso frecuencia revoluciones a travàes de cables accesorios
- Salida impulso frecuencia revoluciones a travàes de las pinzas de induccìòn
- Selecciòn nùmero de los cilindros(1-8)
- Selecciòn tiempos (2-4)
- Alimentaciòn de 10 a 28 Voltios CC (batería del vehìculo)
- Dimensiones 220x50x110 mm
- Campo de medición: dc 300 a 9990 rev/min Res. 10

TESTER MISURE DI PRESSIONE
PRESSURE MEASURING TESTER
TESTER MESURE PRESSION
TESTER DRUCK-MESSUNG
TESTER PARA MEDIR PRESIÓN

Cod. 04.023.00



Kit con raccordi
Kit with couplings **Kit mit Verbindern**
Kit avec raccords **Kit con empalmes**

Cod. 04.023.02

Profi Kit (cod. 04.023.00 incluso)
+ valigetta con 3 manometri Ø100, 0-10bar, 0-2,5 bar, -1/3 bar

Profi Kit (cod. 04.023.00 included)
+ case with 3 gauges Ø100, 0-10bar, 0-2,5 bar, -1/3 bar

Kit Profi (cod. 04.023.00 inclus)
+ coffret avec 3 manomètre Ø100, 0-10bar, 0-2,5 bar, -1/3 bar

Profi Kit (cod. 04.023.00 inbegriffen)
+ Case mit 3 Manometern Ø100, 0-10bar, 0-2,5 bar, -1/3 bar

Profi Kit (cod. 04.023.00 incluido)
+ maletín con 3 manómetros Ø100, 0-10bar, 0-2,5 bar, -1/3 bar

TESTER PROVA PRESSIONE OLIO MOTORE
KIT OIL PRESSURE
TESTEUR PRESSION HUILE MOTEUR
ÖLDRUCK TESTER
TESTER PRUEBA PRESIONES ACEITE MOTOR

Cod. 04.029.01

- manometro doppia scala di facile lettura fino a 10 bar
- attacchi rapidi con valvole per operare in sicurezza e velocità
- Double-range gauge easily reading up to 10 bar
- Rapid couplings with valves to work safely and quickly
- Manomètre à double échelle de facile lecture, jusqu'à 10 bars
- Raccords rapides avec soupape pour travailler rapidement et en sécurité
- Doppel Skala Manometer leicht lesbar bis zu 10 bar
- Schnellverbinder mit Ventilen für sichere und rasche Arbeitsgänge
- Manómetro con doble escala, lectura fácil, hasta 10 bar
- empalmes rápidos con válvulas para trabajar en seguridad y rápidamente

Art. 060

Cod. 04.043.00

KIT CONTROLLO TENUTA DI GUARNIZIONI TESTATE MOTORI BENZINA E DIESEL
KIT CONTROL SEALS PETROL AND DIESEL ENGINES
KIT D'ESSAI TENUE DES GARNITURES TETE MOTEUR ESSENCE ET DIESEL
KONTROLLKIT FÜR DICHTUNGEN VON BENZIN- UND DIESELMOTOREN
KIT CONTROL ESTANQUEIDAD JUNTAS CULATAS MOTORES DIESEL Y GASOLINA

Rivela in modo sicuro incrinature e perdite sulle testate cilindri, sulle guarnizioni e sul blocco motore. Il liquido di prova si colora automaticamente nel caso di mancata ermeticità.

Il detects certainly cracks and water leaks on cylinder heads, seals and engine blocks. The test detector will colour immediately, if there are leaks.

Revéle en manière très sûre les crevasses et les pertes sur les têtes cylindres, sur les garnitures et sur les le moteur. Le liquide d'essai se colore automatiquement dans le cas d'inétanchéité.

Ermittelt systemsicher Risse und Lecks an Zylinderköpfen, Dichtungen und Motor. Das Prüfmedium verfärbt sich automatisch im Fall von Undichtigkeiten.

Detecta con precisión grietas y pérdidas en las culatas de los cilindros, en las juntas y en el motor. El lìquido de prueba se colora automàticamente en caso de no estanqueidad.

Cod. 05.019.03

PROVA RADIATORI E RIEMPIMENTO RADIATORI SOTTOVUOTO (26PZ)

COOLING SYSTEM ANALYZER AND RADIATORS FILL VACUUM (26PCS)

TESTEUR RADIATEUR ET REMPLISSAGE RADIATEUR SOUS VIDE (26PZ)

ANALYSEGERÄT FÜR KÜHLER UND BEFÜLLUNG UNTER VAKUUM (26PZ)

PROBADOR DE RADIADORES Y LLENADOR DE RADIADORES BAJO VACÍO (26UDS)

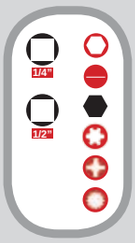
Applicazioni:

No. 0 - termometro
No. 2 - Prova pressione della pompa con il manometro
No. 2A - connettore R123 / R124 (colore nero)
No. 2B - connettore R123 / R125 (colore blu)
No. 3 - Mercedes BENZ (W123, W126, W124, W201); GM (Buick); Jeep.
No. 4 - Peugeot, Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, GEO, Suzuki, Isuzu, Mercedes BENZ.
No. 5 - Honda Toyota, Suzuki, Mitsubishi, Chrysler, Acura, Lexus.
No. 6 - Mercedes BENZ (ML-class, W163, W164), GM (achiva, skylark, gramd am-1992-2002)
No. 7 - Volvo, Saab, Sterling, Citroen, Renault, Fiat, Alfa, Jeep, Mini.
No. 8 - VW (Vento,T4, Passa-1996, Golf, Beetie, Sharan)
No. 9 - Audi (A4, A5, A6), BMW 345, VW (Passa-1997-2002), Porsche (Cayenne).
No. 10 - BMW (E46, E36, E34, E39, E38, E32, E90)
No. 11 - Audi, VW
No. 12 - Ford Mondeo, International, Land Rover, Opel, Ssangyong motor.
No. 13 - Mercedes BENZ (C-class, E-class, S-class, WHO, W220, W124, W210, W211, W215, W216, W221, R230)
No. 14 - Ford Mondeo, Focus, C-MAX03.
No. 5 - Mazda (M3).
No. 16 - Mercedes A-class (168).
No. 17 - BMWE60, E63, E64, E65.
No. I8 - VW SHARAN 1.8T2.8.
No. 19 - TOYOTA-RAV4, PREVIA.
No. 20 - SAAB

Radiator cap application:

No. 0 - Thermometer
No. 2 - Pressure Testing pump with gauge
No. 2A - Connector R123 / R124 (Black color)
No. 2B - Connector R123 / R125 (Blue color)
No. 3 - Mercedes BENZ (W123, W126, W124, W201); GM (Buick); Jeep.
No. 4 - Peugeot, Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, GEO, Suzuki, Isuzu, Mercedes BENZ.
No. 5 - Honda Toyota, Suzuki, Mitsubishi, Chrysler, Acura, Lexus.
No. 6 - Mercedes BENZ (ML-class, W163, W164), GM (achiva, skylark, gramd am-1992-2002)
No. 7 - Volvo, Saab, Sterling, Citroen, Renault, Fiat, Alfa, Jeep, Mini.
No. 8 - VW (Vento,T4, Passa-1996, Golf, Beetie, Sharan)
No. 9 - Audi (A4, A5, A6), BMW 345, VW (Passa-1997-2002), Porsche (Cayenne).
No. 10 - BMW (E46, E36, E34, E39, E38, E32, E90)
No. 11 - Audi.VW
No. 12 - Ford Mondeo, International, Land Rover, Opel, Ssangyong motor.
No. 13 - Mercedes BENZ (C-class, E-class, S-class, WHO, W220, W124, W210, W211, W215, W216, W221, R230)
No. 14 - Ford Mondeo, Focus, C-MAX03.
No. 15 - Mazda (M3).
No. 16 - Mercedes A-class (168).
No. 17 - BMWE60, E63, E64, E65.
No. I8 - VW SHARAN 1.8T2.8.
No. 19 - TOYOTA-RAV4, PREVIA.
No. 20 - SAAB

Cod. 05.090.20



Chiavi a bussola 150 pz
(1/2” - 3/8” -1/4”)

150pcs 1/2” - 3/8” -1/4”
DR. socket wrench set

Cod. 05.090.17

CASSETTA BUSSOLE ¼'' (46pz)
46- piece Socket Set, ¼''

Bussole “super lock” da 4 a 13mm
Inserti piani, croce, esagonali e torx
Cricchetto reversibile a 45 denti
Realizzato in conformità con le norme DIN
T-Star kit bussole di diverse misure
Materiale: cromo vanadio

Super lock sockets from 4 to 13mm
Comes with plain slot, cross slot, hexagon and
45 tooth reversible ratchet with quick release button
Made according to DIN standards
T-Star prese bit di diverse dimensioni
Matt chrome plated

Cod. 05.090.16

NEW

Set bussole inserti da ¼'' e ½'' (108pz)
108-piece Socket Set, ¼'' e ½''

Set da ¼" include:
Cricchetto, prolunga corta, prolunga lunga
Giunto universale, chiave a T scorrevole
Serie bussole "super lock": 4-4,5-5-5,5-6-7-8-9-10-11-12-13 e 14mm
Serie bussole "super lock" lunghe: 6-7-8-9-10-11-12-13mm
Serie bussole Torx: T8-T10-T15-T20-T25-T27-T30
Serie bussole tipo E: E4-E5-E6-E7-E8
Serie bussole porta inserti 4 a croce, 3 piani, 4 esagonali

Set da ½" include:
Cricchetto, prolunga corta, prolunga lunga, giunto universale, chiave a T scorrevole
Serie bussole "super lock": 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32mm
Serie bussole "super lock" lunghe: 14-15-17-19-22mm
Un porta inserti
Serie bussole Torx: T40-T45-T50-T55-T60
6 inserti a croce, 3 inserti a taglio
Inserti esagonali: 7-8-9-10-12-14mm
Inserti tipo E: E10-E11-E12-E14-E16-E18-E20-E24
Bussole per smontaggio candele 16 e 21mm

6.3 (1/4) drive:
Ratchet, short extension, long extension, universal joint, sliding T-handle
Super lock sockets in the following sizes: 4-4,5-5-5,5-6-7-8-9-10-11-12-13 and 14mm
Super lock deep sockets in following sizes: 6-7-8-9-10-11-12-13mm
T Star bit sockets: T8-T10-T15-T20-T25-T27-T30
4x cross bit sockets and 3x slot bit sockets
Hex bit sockets: 3-4-5-6mm
E-type sockets: E4-E5-E6-E7-E8

12.5 (1/2) drive:
Rauche, short extension, long extension, universal joint, sliding T-handle
Super lock sockets in the following sizes: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32mm
Super lock deep sockets in sizes: 14-15-17-19-22mm
1x bit holder
T Star bits: T40-T45-T50-T55-T60
6 x cross bits and 3 slotted bits
Hex bits: 7-8-9-10-12-14mm
E-type sockets: E10-E11-E12-E14-E16-E18-E20-E24
Spark plug sockets: 16 and 21mm

NEW

Cod. 05.090.15

Set di 25 chiavi combinate 6-32mm
In acciaio al cromo-vanadio
6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32mm
Custodia in tetron
conforme a norma din 3113 A

25-piece Combination Spanner Set, 6-32mm
All parts manufactured from chrom vanadium-steel;
Hardened, chrome plated
6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32mm
Packed in a tetron wallet
According to DIN 3113 A

CASSETTE BASE
PER OGNI OFFICINA MECCANICA
BUSSOLE IN ACCIAIO AL CROMO-VANADIO TRATTATO E CROMATO FORNITE IN CASSETTA IN MATERIALE PLASTICO COMPOSITO

BASIC SETS FOR EVERY MECHANICAL WORKSHOP
SOCKETS IN TREATED AND CHROMIUM-PLATED VANADIUM CHROMIUM IN A CASE OF COMPOSITE PLATIC MATERIALS

SETS BASILAIRES POUR TOUS LES GARAGES MECHANIQUES
BOUSSOLES EN ACCIER AU CHROME –VANADIUM TRAITE ET CHROME FOURNIES EN COFFRET EN PLASTIQUE

GRUNDAUSSTATTUNG FÜR JEDE MECHANIKER WERKSTATT
CHROM-VANADIUM DOUBLIERTE UND VERCHROMTE STAHLBUCHSEN IN WERKZEUGKASTEN AUS KUNSTSTOFFVERBUNDMATERIALSETS

BÁSICOS PARA TODOS LOS TALLERES MECÁNICOS
CASQUILLOS EN ÁCERO AL CROMO VANADIO TRATADO Y CROMADO EN MALETÍN DE MATERIAL PLÁSTICO COMPUESTO

Cod. 05.089.00

Set 30 pz chiavi bussola con esagono maschio attacco
Set of 30 pcs exagonal male coupling wrenches **1/2”**

Contenuto - It contains:

L 55 mm	5-6-7-8-10-12-14-17-19
L 100 mm	5-6-7-8-10-11-12-13
L 140 mm	5-6-8-10-12-14
L 200 mm	5-6-7-8-10-12

Cod. 05.090.00

Set 26 bussole con inserto ZXN
Set sockets with ZXN insert (26 pieces) **1/2”**

Contenuto - It contains:

L 55 mm	5-6-7-8-9-10-12-14-16
L 100 mm	5-6-8-9-10-12-14
L 140 mm	5-6-8-9-10-12-14
L 200 mm	8-10-12-14

Cod. 05.090.01

1/2”

Set 32pz bussole con inserto TX
Set sockets with TX (32 pieces)

Contenuto It contains :

L 55 mm	T20-25-27-30-40-45-50-55-60-70
L 100 mm	T20-25-27-30-40-45-50-55-60-70
L 140 mm	T40-45-50-55-60-70
L 200 mm	T40-45-50-55-60-70

Cod. 05.090.02

1/2”

Set 32pz bussole con inserto RIBE
Set sockets with RIBE (32 pieces)

Contenuto It contains :

L 55 mm	5-6-7-8-9-10-12-13-14
L 100 mm	5-6-7-8-9-10-12-13-14
L 140 mm	8-9-10-12-13-14

Cod. 05.090.05

Set di 15 bussole per lo smontaggio

Set of 15 sockets for the dismantling
Set de 15 boussole pour le démontage
Set 15 Buchsen zur Demontage
Set de 15 casquillos para el desmontaje

10-11-12-13-14-15-17-19-21-24-27mm

Cod. 05.102.03

NEW

Valigetta trolley con 186 utensili

Tool box with accessories 186 pcs

Mallette portable avec 186 outils

Fahrbare Werkbank mit 186-tlg.

Sortiment Carrito con 186 herramientas

Leve a cricchetto da 1/4" e da1/2" 1/4"-1/2" Dr. ratchet handles	2 Pz/Pcs	Prolunga flessibile da 1/4" 1/4" Dr. 6" flex, extension	1 Pz/Pcs	Livella magnetica 250mm 10" magnetic level	1 Pz/Pcs
Chiavi a bussola per candele 1/2" 1/2" Dr. Spark plug sockets 16-21mm	2 Pz/Pcs	Chiavi esagonaii a punta sferica Ball point long nose hex key 1,5-2-2,5-3-4-5-6-8-10mm	9 Pz/Pcs	Torcia in alluminio Aluminum flashlight	1 Pz/Pcs
Riduzione 1/2" (M) -3/8" (F) Adapter 1/2"(M) - 3/8"(F)	1 Pz/Pcs	Cercafasi / Electric tester	1 Pz/Pcs	Pinza fastonatrice 8" crimping pliers	1 Pz/Pcs
Porta insert! a cricchetto da 1/4" 1/4" Dr. ratchet bit handle	1 Pz/Pcs	Cacciaviti di precisione Precision screwdrivers	6 Pz/Pcs	Capicorda / Terminals	25 Pz/Pcs
Bussole esagonaii con attacco da 1/4" 1/4" Dr. exagonal sockets 4-4,5-5-5,5-6-7-8-9-10-11-12-13mm	12 Pz/Pcs	Pinze / Pliers	3 Pz/Pcs	Cutter / Utility knife	1 Pz/Pcs
Porta bussole da 1/4" 1/4" Dr. spinner handle	1 Pz/Pcs	Chiave a rullino adjustable wrench	1 Pz/Pcs	Pinza grip 175mm 7" locking pliers	1 Pz/Pcs
Bussole esagonaii con attacco da 1/2" 1/2" Dr. exagonal sockets 10-11-12-13-14-15-16-17-18-19-20 21-22-23-24-27-30mm	17 Pz/Pcs	Pinza idraulica 8" water pump pliers	1 Pz/Pcs	Nastro isolante / PVC tape	1 Pz/Pcs
Leve a "T" da 1/4" e da 1/2" 1/4-1/2" sliding bars	2 Pz/Pcs	Chiavi combinate Combination spanner 6-8-10-11-12-13-14-15-17-19mm	10Pz/Pcs	Calamita telescopica Pickup tools with magnet	1 Pz/Pcs
Prolunghe di 50-100mm da 1/4" 1/4"Dr. socket-bars2"-4"	2 Pz/Pcs	Martello tedesco da 300g 300g German hammer	1 Pz/Pcs	Calibro a corsoio 150mm 6" vernier caliper	1 Pz/Pcs
Snodi a cardano da 1/4" e 1/2" 1/4"-1/2" Dr. universal joints	2 Pz/Pcs	Flessometro da 5m 5m precision tape	1 Pz/Pcs	Cacciaviti per elettricista Electrician screwdrivers	3 Pz/Pcs
		Mini archetto con lama Mini hacksaw	1 Pz/Pcs	Cacciaviti / Screwdrivers	11 Pz/Pcs
				Porta inserti magnetico Magnetic bit holder	1 Pz/Pcs
				Inserti 1/4"/ 1/4" bits	25 Pz/Pcs

Cod. 05.102.04

VALIGETTA TROLLEY CON 114 UTENSILI

TOOL BOX WITH ACCESSORIES 114

COFFRET OUTILS AVEC 114 PIECES

WERKZEUGKOFFER MIT 114 WERKZEUGEN

MALETÍN CON RUEDAS CON 114 HERRAMIENTAS

- 1 prolunga magnetica
- 1 pinza lunga 8”
- 1 pinza diagonale 7”
- 1 pinza smonta seeger
- 1 pinza per pompe acqua
- 14 cacciaviti assortiti
- 6 cacciaviti di precisione
- 1 inserto a Y
- 1 portainserti
- 24 inserti
- 1 cacciavite a cricchetto
- 1 tester cercafase
- 1 chiave regolabile
- 10 chiavi combinate 6÷19mm
- 1 ¼” chiave a T
- 12 bussole da ¼” 4÷13mm
- 17 bussole da ½” 10÷30mm
- 4 prolunghe
- 1 prolunga flessibile
- 2 chiavi per candele ½ 16mm e 21mm
- 2 giunti universali
- 1 adattatore a 3 vie
- 9 chiavi a L 1,5÷10mm
- 1 cricchetto ½”
- 1 cricchetto ¼”
- 3 portautensili in plastica
- 1 trolley in alluminio

- 1 pick-up tool
- 1 long nose pliers 8”
- 1 diagonal pliers 7”
- 1 slip joint pliers
- 1 water pump pliers
- 14 screwdrivers
- 6 precision screwdrivers
- 1 Y bit
- 1 bit holder
- 24 bits in a plastic holder
- 1 ratchet screwdriver
- 1 elec. Tester
- 1 adjustable wrench
- 10 combination wrenches 6÷19mm
- 1 ¼” dr. sliding T-Bar
- 12 ¼” dr. sockets 4÷13mm
- 17 ½” dr. sockets 10÷30mm
- 4 extension bar
- 1 flexible extension bar
- 2 ½” dr. spark plug sockets 16mm and 21mm
- 2 universal joint
- 1 three way adaptor
- 9 hex key 1,5÷10mm
- 1 ¼” dr. ratchet handle
- 1 ½” dr. ratchet handle
- 3 blow case
- 1 aluminium box

- 1 extension magnétique
- 1 pince longue 8”
- 1 pince diagonale 7”
- 1 pince démonte seeger
- 1 pince pour pompe eau
- 14 tournevis assortis
- 6 tournevis de précision
- 1 insert à Y
- 1 porte-inserts
- 24 inserts
- 1 tournevis à cliquet
- 1 tournevis pour tester la tension du secteur
- 1 clé réglable
- 10 clé combine 6÷19mm
- 1 ¼” clé à T
- 12 douilles de ¼” 4÷13mm
- 17 douilles de ½” 10÷30mm
- 4 extensions
- 1 extension flexible
- 2 clé pour bougies ½ 16mm et 21mm
- 2 joints universels
- 1 adaptateur 3 vois
- 9 clé à L 1,5÷10mm
- 1 cliquet ½”
- 1 cliquet ¼”
- 3 porteoutils en platisque
- 1 chariot en aluminium

- 1 Pick-up Werkzeug
- 1 Spizzange 8”
- 1 Seitenschneider 7”
- 1 Gleitgelenkzange
- 1 Wasserpumpenzange
- 14 Schraubendreher
- 6 Prezisionsschraubendreher
- 1 Y Bit
- 1 Bit-Halter
- 24 bits in Kunststoffhalterung
- 1 Schraubenziehergriff
- 1 elekt. Tester
- 1 Schraubenschlüssel
- 10 kombinierte Schlüssel 6÷19mm
- 1 ¼” dr. Verstellschieber
- 12 ¼” dr. Anschlüsse 4÷13mm
- 17 ½” dr. Anschlüsse 10÷30mm
- 4 Verlängerungsschiene
- 1 flexible Verlängerungsschiene
- 2 ½” dr. Zündkerzenstecker 16mm and 21mm
- 2 Zapfwelle
- 1 Dreiwegeadapter
- 9 Sechskant 1,5÷10mm
- 1 ¼” dr. Griff mit Ratsche
- 1 ½” dr. Griff mit Ratsche
- 3 Koffer
- 1 Aluminiumgehäuse

- 1 prolungación magnética
- 1 pinza larga 8”
- 1 pinza diagonal 7”
- 1 pinza para desmontar seeger
- 1 pinza para bombas de agua
- 14 destornilladores mixtos
- 6 destornilladores de precisión
- 1 inserción de Y
- 1 portainserciones
- 24 inserciones
- 1 destornillador de roquete
- 1 probador buscafase
- 1 llave regolable
- 10 llaves combinadas 6÷19mm
- 1 ¼” llave de T
- 12 brújulas de ¼” 4÷13mm
- 17 brújulas de ½” 10÷30mm
- 4 prolungaciones
- 1 prolungación flexible
- 2 llaves para bujías ½ 16mm y 21mm
- 2 juntas universales
- 1 adaptadores de 3 vías
- 9 llaves de L 1,5÷10mm
- 1 roquete ½”
- 1 roquete ¼”
- 3 portaherramientas de plástico
- 1 trolley de aluminio

Cod. 05.090.14

NEW

Set 12 cacciaviti con esagono esterno per una maggior coppia usando una chiave a bussola

Screwdriver kit, 12pcs, end-to-end hex blade with outer hexagon for extra torque using a spanner or socket

Cod. 05.090.18

Misure: / Size:
2x100mm,
2,5x100mm
3x100mm,
3,5x100mm
4x150mm,
4,5x150mm
5x150mm,
6x150mm
7x150mm,
8x200mm
10x200mm

Set di 11 chiavi esagonali con terminale sferico
In cromo vanadio
Trattamento a caldo
Punta brunita

11pcs T Type hex keys, end with ball
Chrom vanadium
Heat treatment
Black finish

NEW

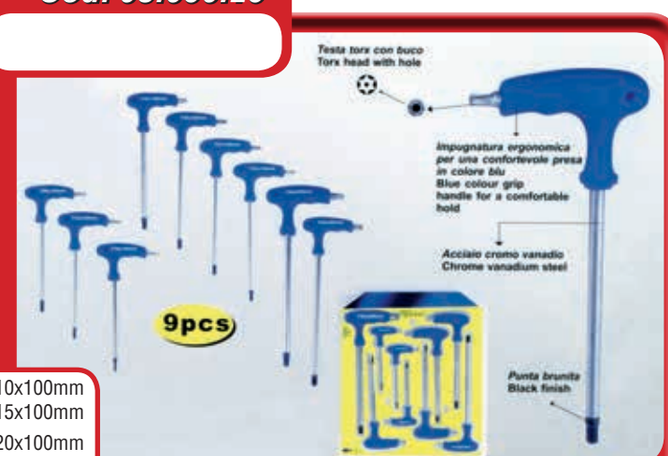
Cod. 05.098.00

Serie bussole smontaggio tappi olio motore e pulegge distribuzione

1/2" 14 pcs oil-change and distribution pulley socket set

8mm HEX:	BMW (BA), FORD (GB), GM (BA, GB)
9mm HEX:	GENERAL MOTORS (BA)
9.5mm (3/8") HEX:	BLMC (MORRIS) (BA), LANCIA BETA (DIFF)
10mm HEX:	FORD (GB)
12mm HEX:	FIAT LANCIA (GB, SU), MERCEDES-BENZ (GB, SU)
14mm HEX:	LANCIA (GB, SU), MERCEDES-BENZ (BA, GB)
17mm HEX:	LANCIA AUDI (GB), AUSTIN (GB), BMW (GB), VW (GB)
8mm (5/16") Square:	CITROEN (GB, SU), PEUGEOT (BA, GSU), RENAULT (SU), TALBOT (GB, SU), VOLVO (SU)
9.5mm (3/8") Square:	HONDA (GB, SU), MAZDA (BA, SU), PEUGEOT (GB, SU), SAAB (GB), VOLVO (BA, SU)
11mm Square:	FORD (BA, GB)
12mm Square:	TOYOTA
13mm Square:	NISSAN (BA, GB), SUBARU (BA)
10mm:	BMW, FORD, RENAULT, TOYOTA
3,8":	RENAULT

Cod. 05.090.19


Testa torx con buco
Torx head with hole
Impugnatura ergonomica per una confortevole presa in colore blu
Blue colour grip handle for a comfortable hold
Acciaio cromo vanadio
Chrome vanadium steel
9pcs
Punta brunita
Black finish

T10x100mm
T15x100mm
T20x100mm
T25x150mm
T27x150mm
T30x150mm
T40x150mm
T45x200mm
T50x200mm

Set di 9 chiavi AT TORX testa torx con foro
Punta brunita Acciaio cromo vanadio
Impugnatura ergonomica per una confortevole presa in colore blu
9pcs t type torx keys torx head with hole
Blue colour grip handle for a comfortable hold
Chrome vanadium steel Black finish

CHIAVI FILTRI OLIO VETTURE E FURGONI
OIL FILTERRS CUPS KITS FOR CARS-VANS
SET DE CLES POUR FILTRES HUIRE VOITURES-FURGONETAS
SET ÖLFILTERSCHLÜSSER FÜRPKW
SET DE LLAVES PARA FILTROS ACEITE COCHES-CAMIONETAS

05.056.00	05.056.01	05.056.07		
	■	■	66mm/6P	Fiat Punto, 1 2) Renault (Clio 1 2 Express, Kangoo Twingo) etc
■		■	65mm/14P	Fits Champ. Hastings GnVAc. wix, Napa, Purolator, Diahatsu, Toyota Nissan etc
■		■	65~67mm/14P	Fits same filters as made in Canada including PH4386 PH4967 PH6017 PH6018 Daihatsu etc
■		■	68mm/14P	Fits Hastings. Mazda, Ford Escor, Capri, Subaru, Fran PH6607 (those tram filters made in Korea), Motorcraft FLS16 etc)
■		■	73mm/14P	Fits Toyota/Lexus, etc
		■	74mm/15P	MF. Audi, #056-115-561g, GM. Rover. Chrysler, etc..
■	■	■	74~76mm/15P	Fits Fram, Ac. Saturm. etc
■		■	75~77mm/15P	Fits VW. Audi Casite. GM/AC. Hastings Wix. NAPA Ford Isuzu Mercedes, opel, etc.
	■	■	76mm/12P	Fiat (Ducato. ScurJo. Ulysee), Renault. (Megane Laguna Espace III) etc
■	■	■	76mm/14P	Fist Champion. Champ Lee, Purolator, Mopar. VW, Porsche, Mercedes Benz, BMW, Audi. (I. B. A3TD) Opel etc
■		■	76mm/30P	Fits Motorcraft only-FL400A. Ford etc
	■	■	76mm/8P	Fiat(Marea), Lancia (Delta) etc.
		■	78mm/15P	Nissan #15208H8991. Ford, Toyota, Accord etc
■		■	80mm/15P	Fits Hastings Fram, Purolator, Nissan. Honda. Motorcraft. Mazda, Isuzu, Subaru. Opel. Toyota, etc
■		■	80~82mm/15P	Fits Wix filters branded for Mazda, Subaru, Toyota, Honda. Acura Nissan, NAPA etc.
	■	■	86mm/16P	Volvo(S40.S60.S70,S80) etc
	■	■	86mm/18P	VW Golf(MKIII Tdi, passat Tdi.) Audi A6 Tdi, Renault (Clio Rapid 1 9D Laguna Safrane Espace 21D) Citroen. Peugeot, Renault, etc
■		■	90mm/15P	Fits Honda Accord Mitsubishi Mopar Isuzu etc
	■	■	92mm/10P	Fiat Cinquecento, Coupe, Croma. Fiat. Panda Regata Ritmo Fiat. Seicento Tempra. Tipo. Lancia (Beta Dedra Kappa Monte Carlo Prisma Thema Trevi)etc
■	■	■	93mm/15P	Fits Casite, Champ. Champion, GM. Fram. Hastings Opel, Mazda, Volvo, Mitsubishi Purolator. Wix, Nissan, VW, Porsche. Renault Ford, Honda, Audi. etc
■		■	93mm/36P	Fits Motorcraft only-FL1A, FLA1B. FL300. FL820. Ford, etc
	■	■	93mm/45P	VW-Audi (Tdi2 4.2 6,2 8L}etc
		■	95mm/15P	Toyota #15600-41010 Alfa. GM, Ford. ALFA, Chrysler, etc
	■	■	96mm/18P	Audi(A4 A6 Tdi). VW(Passaf 97 Tdi) Renault (Laguna 2.2d Safrane 2.2D.) Espace 2.2D R19. RAPID. MEGANE. 1 9/2 1D TDi)etc
■		■	100mm/15P	Fits fram, Motorcraft. wix, Isuzu and Mitsubishi, etc
	■	■	106mm/15P	Fiat(Ducato 2 5D Td)etc
	■	■	108mm/15P	Volvo(C70.S70.V70.Tdi TD)(Turbo. Diesel 850 Tdi Diesel)etc
	■	■	108mm/18P	Renault (Espace, Laguna. Master, Safrane, Traffic 2.4, 2.5, 2.8D, TD) etc
	■	■	A2089	
■	■	■	Adaptor	

Cod. 05.056.00

Cod. 05.056.01

Cod. 05.056.07

Cod. 05.056.03

Per - For - Per - Für - Para
Mercedes, Smart, VW, Opel, BMW (24/27/32/36/38mm)

038K6M/3000
Cod. 04.053.00

A	6721-A	Compression tester – general purpose M14& M18 plug ports
B	6721-01	M14 & M 18 thread chaser
C	6721-02	M10 & M12 thread chaser
D	6721-03	M10 Extension
E	6721-04	M12 extension
F	6721-05	M14 extension
G	6721-06	M14 extension
H	6721-07	M18 extension
I	6721-081	Service kit

Tester prova compressione motori benzina con manometro 0-20bar (psi).
Il kit include:
attacco M10x1,0 (moto),
attacco M12x1,25 (moto),
attacco M14x1,25 (2 pezzi),
attacco M18x1,5,
maschio per filetti M10/M12,
maschio per filetti M14/M18.

Compression tester for petrol engines with manometer 0-20bar.
The kit includes:
M10x1,0 coupling (motorcycles),
M12x1,25 coupling (motorcycles),
M14x1,25 coupling (2 pieces),
M18x1,5 coupling, male for threads M10/M12, male for threads M14/M18.

Compressiomètre moteur essence avec manomètre 0-20bar (psi).
Le kit inclus :
raccord M10x1,0 (motos),
raccord M12x1,25 (motos),
raccord M14x1,25 (2 pièces),
raccord M18x1,5,
masculin pour filetage M10/M12,
masculin pour filetage M14/M18.

Verdichtungstester für Benzinmotoren mit Manometer 0-20bar (psi).
Das Kit umfasst:
Gewindestutzen M10x1,0 (Motorräder),
Gewindestutzen M12x1,25 (Motorräder),
Gewindestutzen M14x1,25 (2 Stück),
Gewindestutzen M18x1,5,
Gewindebohrer M10/M12,
Gewindebohrer M14/M18.

Tester prueba compresión motores de gasolina con manómetro 0-20bar (psi).
El kit incluye:
empalme M10x1,0 (moto),
empalme M12x1,25 (moto),
empalme M14x1,25 (2 unidades),
empalme M18x1,5,
macho para filetes M10/M12,
macho para filetes M14/M18.

038K9M/3000
Cod. 04.053.05

NEW

Prova compressione Diesel
(anche Common Rail)

Compression Tester for Diesel
(also Common Rail)

Testeur de compression pour les moteurs diesel
(aussi pour Common Rail)

Kompressions-Druckprüfgerät für Dieselmotoren
(auch Common Rail)

Tester prueba compresión Diesel
(también Common Rail)

Applicazioni / Applications / Applications / Anwendungen / Aplicaciones:

Alfa Romeo, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, ISU24, Landrover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, SAAB, Suzuki, Toyota, VAG, Vauxhall, Volvo
Injectors: M20, M22, M24 e Ford Stanadyne TDI Injectors

Auto	Cars	Voitures	PKWs	Autos
Veicoli commerciali	Commercial Vehicles	Véhicules utilitaires	Nutzfahrzeuge	Vehículos Comerciales
macchine agricole	Agricultural Machinery	Machines agricoles	Landmaschinen	Maquinaria Agrícola
autocarri	Trucks	Camions	LKWs	Camiones
motori marini	Marine Engines	Moteurs Marins	Schiffmotoren	Motores Marinos

038K7M/3000
Cod. 04.053.01

Tester prova compressione motori diesel (auto e commerciali)
con manometro 0-70 (psi)

Compression tester diesel engines (cars and deliveries vans) with gauge 0-70 (psi)

Compressiomètre moteur diesel (voitures et fourgons) avec monomètre 0-70 (psi)

Verdichtungstester Dieselmotoren (PKW und Nutzfahrzeuge) mit Manometer 0-70 (psi)

Tester prueba compresión motores diesel (coches y vehículos comerciales) con manómetro 0-70 (psi)

NEW

038K7M/3000
Cod. 04.053.06

Aggiornamento al kit
Upgrade for kit
Mise à jour kit
Upgrade für
Actualización para kit
04.053.01

Cod. 05.066.01

ATTREZZO LEVABOLLI PNEUMATICO CON 10 VENTOSE
PNEUMATIC PULLER WITH 10 SUCTION CUPS

NEW

CARATTERISTICHE TECNICHE:

Ideale per la riparazione di piccole bolle di carrozzeria

Dotata di regolatori di pressione e regolatore di portata

Corpo in acciaio inox con piano d'appoggio in PVC

Ingresso aria ¼"

Pressione 4÷12 bar (0,4 - 1,2 MpA) 60÷175 psi

TECHNICAL SPECIFICATIONS:

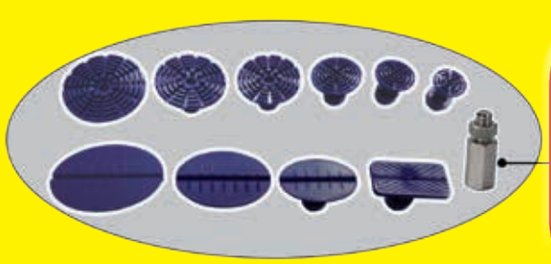
Ideal for repairing small vehicle body damages

Pressure regulator and flow control valve for a safe usage

Stainless steel with PVC protection for high quality and long life

Air inlet: ¼"

Operating pressure 4÷12 bar (0,4 - 1,2 MpA) 60÷175 psi



ACCESSORI STANDARD

10 ventose in plastica

Adattatore di estensione

STANDARD ACCESSORIES

10 plastic suction cups

Extension adapter

Cod. 05.066.00

IN ESAURIMENTO

Attrezzo levabolli a ventosa completo di due ventose.
Azionamento ad aria compressa

Pneumatic sheet concave sucker with 2 suction puller disks

Outil de réparation des meurtrissures à ventouse équipé de deux ventouses.
Actionné à air comprimé

Dellenentferner komplett mit zwei Saugköpfen.
Druckluftbetrieb

Herramienta reparabollos con dos ventosas incluidas.
Funcionamiento por aire comprimido

Cod. 05.074.04

MISURATORE DI SPESSORE VERNICI CON USCITA USB
PAINT THICKNESS METER WITH SERIAL OUTLET USB
MESUREUR DE L'ÉPAISSEUR DES VERNIS AVEC SORTIE USB
LACKSTÄRKEMESSER MIT USB-AUSGANG
MEDIDOR DE ESPESOR DE BARNIZ CON SALIDA USB

- Utilizzabile su superfici metalliche e non metalliche
- sonda incorporata (campo di misura 0-1250 micron)
- alta precisione (± 1 ÷ 3%)
- dimensioni 126x65x27, peso 81 gr
- 2 kit di calibrazione inclusi (metallico-non metallico)
- valigetta di trasporto
- Optional: cavo seriale USB software installazione

- It can be used on metal and not metal surfaces
- Integrated probe (measurement field 0-1250 micron)
- Hugh accuracy (± 1 ÷ 3%)
- Dimensions126X65X27, weight 81 gr
- 2 calibration kits included (metal-not metal)
- Case for transport
- Optional: serial cable USB and installation software

- Applicable aux surfaces métalliques et non métalliques
- Sonde intégrée (champ de mesure 0-1250 micron)
- Gaute précision (± 1 ÷ 3%)
- Dimensions 126x65x27, poids 81 gr
- 2 kit d'étalonnage inclus (métallique- non métallique)
- Coffret de transport
- Facultatif : câble sériel USB et logiciel d'installation

- Kann auf Metall-und Nichtmetallflächen benutzt werden
- Integrierte Sonde (Messbereich 0-1250 micron)
- Hohe Genauigkeit (± 1 ÷ 3%)
- Abmessungen 126X65X27, Gewicht 81 gr
- 2 Kalibrierkits inbegriffen (Metall – nicht Metall)
- Transportcase
- Optional: Serialkabel USB und Einbau Software

- Utilizable sobre superficies metálicas y no metálicas
- Sonda integrada (campo de medición 0-1250 micron)
- Precisión elevada (± 1 ÷ 3%)
- Dimensiones 126x65x27, peso 81 gr
- 2 kit de calibración incluidos (metálico-no metálico)
- Maletín para el transporte
- Opcional: cable serial USB software de instalación

Cod. 05.075.00

ASCIUGATORE PER VERNICI AD ACQUA
DRYING BLOWER GUN FOR WATER PAINTS - ESSUYEUR POUR VERNIS À BASE D'EAU
TROCKNERPISTOLE FÜR LACK AUF WASSERBASIS - SECADOR PARA BARNIZ AL AGUA

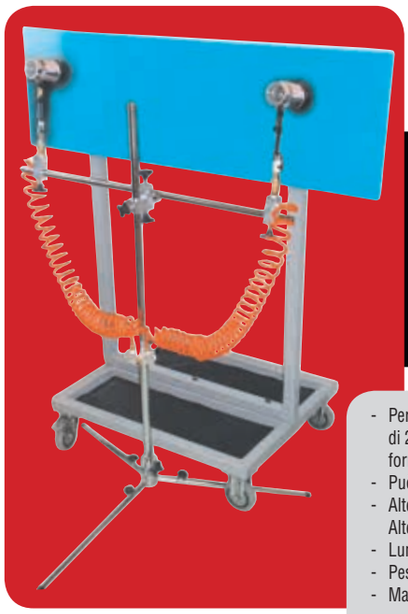
- Conforme alle norme ROHS per le nuove vernici ad acqua
- Peso: 460gr
- Variazione della portata d'aria
- Pressione di lavoro: 2-4 bar
- Consumo: 350lt/min
- Livello suono: 72dB

- In compliance with ROHS - norms for new water paints
- Weight: 460gr
- Variable air flow
- Work pressure: 2-4 bar
- Air consumption: 350lt/min
- Sound level: 72dB

- Conformément aux normative ROHS concernant les vernis à base d'eau
- Poids : 460 gr
- Variation de la portée de l'air
- Pression du travail : 2-4 bar
- Consommation : 350 lt/min
- Niveau du son : 72 dB

- Nach den ROHS Normen für neue Anstrichprodukte auf Wasserbasis
- Gewicht : 460gr
- Variabler Luftstrahl
- Arbeitsdruck: 2-4 bar
- Verbrauch: 350lt/min
- Geräuschbelastung: 72dB

- De conformidad con las normas ROHS para las nuevas barnices al agua
- Peso: 460gr
- Regulazción de la capacidad de aire
- Presión de funcionamiento: 2-4 bar
- Consumo: 350lt/min
- Nivel de ruido: 72dB



Cod. 05.075.01

SUPPORTO PER ASCIUGATORE
STAND FOR DRYING BLOWER GUN
SUPPORT POUR ESSUYEUR
UNTERSATZ FÜR TROCKNERPISTOLE
SOPORTE PARA SECADOR

Cod. 05.075.02

Stand + 2 drying blower
Support + 2 essuyeurs
Untersatz + 2 Trocknerpistolen
Soporte + 2 secadores

- Permette il posizionamento di 2 asciugatori (non forniti) con relativi tubi
- Può ruotare di 360°
- Altezza max: 210cm; Altezza min: 20cm
- Lunghezza braccio: 89cm
- Peso: 4,5kg
- Materiale: alluminio

- It enables to position 2 drying blower guns (not included) with their apposite hoses
- Can be rotated by 360°
- Max height: 210cm; Min height: 20cm
- Arm length: 89cm
- Weight: 4,5kg
- Material: aluminium

- Il permet de positionner 2 essuyeurs (non fournis) avec les tuyaux respectifs
- Il peut tourner de 360°
- Hauteur max : 210 cm ; Hauteur min : 20cm
- Longueur du bras : 89cm
- Poids : 4,5kg
- Matériel : aluminium

- Ermöglicht die Anordnung von 2 Trocknerpistolen (nicht inbegriffen) mit entsprechenden Leitungen
- Um 360° drehbar
- Max. Höhe: 210cm; Min. Höhe : 20cm
- Armlänge: 89cm
- Gewicht: 4,5kg
- Material: Aluminium

- Permite apoyar 2 secadores (no incluidos) con la tubería de cada uno
- Puede girar 360°
- Altura max: 210cm; Altura min: 20cm
- Longitud brazo: 89cm
- Peso: 4,5kg
- Material: aluminio

Cod. 05.090.25

Kit smontaggio airbag (12 pz.)
12 pcs. air bag removal tool set
Kit de démontage pour airbag (12 pcs.)
Airbag Werkzeug Satz (12 Stk.)
Kit para desmontar bolsas de aire (12 pzas.)

NEW

KIT INCLUDES:

- 5 1/4" DR. X 87 MM (L) BIT SOCKET:
- 2 TORX: T25 (FOR BMW), T30 (FOR AUDI, OPEL, RENAULT, VW)
- 1 HEX: 5MM (FOR AUDI)
- 7 AIRBAG REMOVAL TOOL:
  - 1-#1: airbag removal tool is used to remove driver airbag from steering wheel on 1999-2004 NEW BODYSTYLE VW PASSAT, JETTA, GOLF & BEETLE
  - 2 - #2: FOR VW PASSAT B5, POLO, LUPO, AUDI A4, A6, SKODA SUPERB
  - 2 - #3: FOR VW GOLF 4, NEW BEETLE, SEAT, SKODA FABIA, OKTAVIA AB BJ.99
  - 1 - #4: FOR VW GOLF 4 (BJ. 1998-2004), VW PASSAT AB BJ.1997, BORA AB BJ.1999
  - 1 - #5: FOR VW – MODELLE U.A: PASSAT AB BJ.2000

IL KIT INCLUDE:

- 5 CHIAVE 1/4" DR. X 87 MM (L)
- 2 TORX : T25 (PER BMW), T30 (per AUDI, OPEL , RENAULT, VW)
- 2 TORX (a prova di manomissione): T25H (per BMW), T30H (per AUDI, BMW, MERCEDES, OPEL)
- 1 HEX: 5 MM (per AUDI)
- 7 ATTREZZI PER LA RIMOZIONE DELL'AIRBAG:
  - 1 N.1: attrezzo per la rimozione dell'airbag utilizzabile per airbag volante lato conducente su modelli VW PASSAT, JETTA, GOLF E BEETLE 1999-2004
  - 2 - N.2: per VW PASSAT B5, POLO, LUPO, AUDI A4, A6, SKODA SUPERB
  - 2 - N.3: per VW GOLF 4, NEW BEETLE, SEAT, SKODA FABIA, OKTAVIA AB BJ.99
  - 1 - N.4: per VW GOLF4 (BJ, 1998-2004), VW PASSAT AB BJ. 1997, BORA AB BJ.1999
  - 1 – N.5: per VW MODELLO U.A: PASSAT AB BJ.2000

Cod. 05.092.00

SET SMONTATUTTO

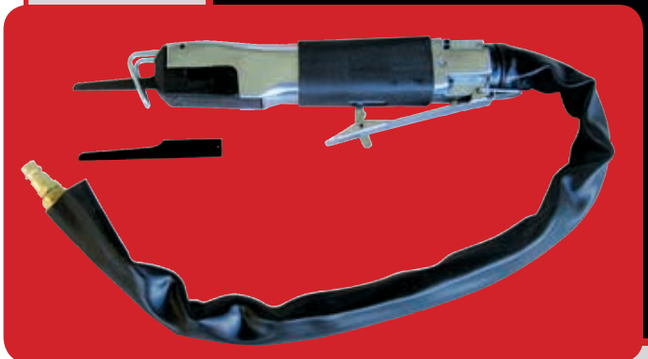
6 utensili in plastica molto resistente, consentono di togliere tutti gli accessori smontabili dal veicolo senza graffiare le parti relative e la vernice.

UNIVERSAL DISMOUNTING SET

6 high-resistant plastic devices that enable you to remove all the dismountable accessories from the vehicle without scratching the parts and the paint.

Cod. 05.091.02

Seghetto pneumatico
Air Car Body Saw



- ✔ Velocità: 9.000 rpm/min
- ✔ Lunghezza: 235 mm
- ✔ Peso: 770 g
- ✔ Cosumo aria: 120 L/min
- ✔ Pressione aria: 6,3 bar
- ✔ Livello rumore: 72,0 dB (a)
- ✔ Accelerazione: 26,0 m/ s2
- ✔ Max. capacità taglio: 1,2 mm

- ✔ Free speed: 9.000 rpm/min
- ✔ Length: 235 mm
- ✔ Weigth: 770 g
- ✔ Air consumption: 120 L/minute
- ✔ Air pressure: 6,3 bar
- ✔ Noise level: 72,0 dB (a)
- ✔ Acceleration: 26,0 m/ s2
- ✔ Max. cutting capacity: 1,2 mm

BASE
Cod. 05.091.00

PLUS
Cod. 05.091.01

STACCAVETRI PNEUMATICO
Il kit Plus include 12 lame

PNEUMATIC KIT TO REMOVE WINDOWS
The kit Plus includes 12 blades

DÉTACHE-GLACES PNEUMATIQUE
Le kit Plus inclus 12 lames

PNEUMATIK KIT FÜR SCHEIBENABNAHME
Das Kit Plus schließt 12 Blätter ein

HERRAMIENTA PARA DESMONTAR CRISTALES NEUMÁTICA
El kit Plus incluye 12 hojas

Cod. 05.091.10

KIT SUPER RASCHIETTO
SUPER SCRAPERS

Per rimuovere etichette/adesivi, in plastic dura e lame in acciaio
To remove labels/stickers, in hard plastic and steel blades

Cod. 01.000.22

TERMO IGROMETRO ELETTRONICO
ELECTRONIC THERMOHYGROMETER

È dotato di sonda integrata in grado di misurare nell'ambiente la temperatura e l'umidità relativa, nel tempo di 2 minuti. È indispensabile quando si usano prodotti ad acqua in quanto calcola automaticamente il punto di rugiada, consentendo quindi una perfetta adesione della vernice alla superficie.

It has an integrated sound which can measure environmental temperature and relative humidity in 2 minutes. This is essential when water products are used, since this instrument automatically calculates the dew point and enables a perfect adhesion of the paint to the surface.

Campo di misurazione:
da 5 a 95% di umidità-rugiada
da -10° a +50°C di temperatura

Measuring range:
from 5 to 95% of humidity-dew
from -10° to +50°C of temperature

NEW

Cod. 05.090.23

ALLARGAFORI A GRADINI 3 Pz
STEPPED HOLE ENLARGER 3 Pcs

- Ideali per forare lamine di metallo sottili senza deformarle
- Per tutti i tipi di metallo e plastica industriale e lamine fino a 3 mm di spessore
- Contenuto: 1x4-12mm, 1x4-20mm, 1x4-32mm
- Valigetta in legno

- Ideal for drilling thin metal sheets without distorting
- For all types of metal, industrial plastic and sheet metal up to 3 mm thick
- Content: 1x4-12mm, 1x4-20mm, 1x4-32mm
- Wooden case

Cod. 05.090.22

NEW

Estrattore per terminali batteria e bracci tergicristalli

Two Leg Puller for Battery Terminals and Widescreen Wipe Arms

regolabile ed è adatto per la maggior parte delle auto e dei camion
prima liberare il dado, poi mettere l'estrattore sul dado e girare la maniglia

adjustable and suitable for most car and truck types applications:
loose nut first, then put puller on the nut and spin puller handle

Art. 079/02
Cod. 05.008.01

Vassoio magnetico
Magnetic part dish
Plateau magnétique
Magnetablage
Bandeja magnética

(240x140 mm)

Art. 059
Cod. 04.042.00

SOPPRESSORE DI IMPULSI

IMPULSE SOPPRESSOR

(12 Volts) Protegge gli impianti di iniezione e accensione elettronica da picchi di tensione durante i lavori di saldatura in carrozzeria: si monta tra + e – della batteria.

(12 Volts) It protects electronic injection and ignition from voltage peaks during welding operations in workshops. It has to be installed between the + and – of the battery.

Art. 059/01
Cod. 04.042.01

Disponibile 24V
Available 24V - Disponible 24V
Verfügbar 24V - Disponible 24V

Cod. 05.013.03

COPERTURA PARAFANGO

Protegge la carrozzeria da graffi e urti accidentali. In panno e neoprene.
Dimensioni: 110x40cm
Confezione da 20pz

WORKSHOP WING COVER

It protects the car wing from scratches and accidental damage. Cloth and neoprene.
Dimensions: 110x40cm
Pack of 20pcs

Cod. 05.084.04

NEW

CAPRETTA SOLLEVAMENTO MOTORI
ENGINE LIFTING CRANE

Cod. 05.090.21

NEW

Bussole smontaggio bulloni di cerchi in lega ½" da 17-19-21

3-piece protective impact sockets Set, ½" with plastic cover, 17-19-21 mm

Adatto sia per chiavi manuali che per pistole pneumatiche
Con coperchio in plastica per la perfetta protezione di cerchi in alluminio
Con sfere di fissaggio e foro
Lunghezza: 85 mm

Suitable for both, manual and impact wrenches
With plastic cover for perfect protection of aluminium rims
With ball retaining groove and hole
Length: 85 cm

Cod. 05.090.24

Supporto magnetico per avvitatore ad aria e bussole

2-magnets holder for air impact wrench and sockets

NEW

Cod. 05.087.10

Cavalletto appoggia cristalli
Saw-horse for windows
Béquille soutien glaces
Abstützbock für die Fenster
Caballete para apoda cristales

Cod. 05.064.00

Kit smontaggio/montaggio parabrezza
Il kit include: 2 coppie di ventose oscillanti, 2 coppie di maniglie tirafilo, 1 attrezzo inseritore filo, 1 cinghia a cricchetto, 1 matassa di filo a sezione quadra.

Kit for mounting and dismounting windscreens
The kit includes: 2 couples of swivelling vacuum cups, 2 couples of wire gripping handles, wire feeder tool, 1 ratchet, steel square wire.

Kit de démontage/montage du pare-brise
Le kit inclus: 2 couples de ventouses flottantes, 2 couples de poignées tire-fil, 1 outil pour insérer le fil, 1 courroie à cliquet, 1 écheveau de fil à section carrée.

Kit Demontage/Montage von Windschutzscheiben
Das Kit enthält: 2 Paar schwingende Vakuumschalen, 2 Paar Drahtspanngriffe, 1 Drahteinführwerkzeug, 1 Zahngesperre, 1 Strang Draht von quadratischem Querschnitt.

Kit para montar y desmontar parabrisas
El kit incluye: 2 pares de ventosas oscilantes, 2 pares de asas tirahilos, 1 herramienta para introducir el hilo, 1 correa con carraca, 1 madeja de hilo de sección cuadrada.

Cod. 05.087.02

Cavalletto estensibile multiuso
Extendible multi-purpose sawhorse
Chevalet extensible multi-usage
Ausziehbarer Vielzweck-Bock
Caballete extensible multiuso

Piani di lavoro rivestiti in gomma antisdrucciolo
Regolazione in altezza (fino a 132cm)
Regolabile in apertura
(da 22,5 cm chiuso a 138cm completamente aperto)
Portata 100kg
2 ruote con freno
Ideale come supporto di appoggio per officine, carrozzerie, laboratori di assemblaggio in genere
Nei momenti di non uso occupa uno spazio di 0,2m²

Working surface covered with non slip rubber
Adjustable height (up to 132cm)
Adjustable opening (from 22,5 cm closed to 138cm completely open)
Capacity 100kg
2 wheels with brake
Ideal as a support for workshops, car body repairers' and assembling laboratories
When closed it takes 0,2m²

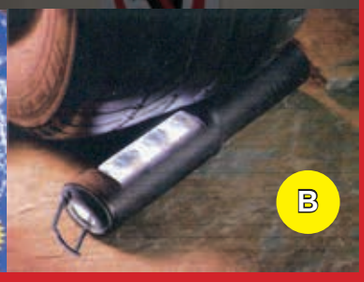
Plans de travail revêtus en caoutchouc antidérapant
Réglage en hauteur (jusqu'à 132cm)
Réglable au niveau de l'ouverture (de 22,5 cm fermé à 138cm entièrement ouvert)
Charge 100kg
2 roues avec frein
Idéal comme soutien d'appui pour ateliers, carrosseries, laboratoires d'assemblage en général
En cas de non-utilisation, occupe un espace de 0,2m²

Arbeitsflächen mit rutschfestem Gummi
Höheneinstellung (bis 132 cm)
Auszug einstellbar (von 22,5 cm geschlossen bis 138 cm ganz ausgezogen
Tragfähigkeit 100 kg
2 Räder mit Bremse
Ideal als Stützfläche für Werkstätten, Karosserie- und allgemeine Montagewerkstätten
Falls er nicht benötigt wird, nimmt er geschlossen nur 0,2m² in Anspruch

Tablero de trabajo con cobertura de caucho antideslizante
Altura ajustable (hasta 132cm)
Abertura ajustable (desde 22,5 cm cerrado hasta 138cm completamente abierto)
Capacidad 100kg
2 ruedas con freno
Ideal como soporte para talleres, carrocerías, laboratorios de ensamblaje
Cuando no se utiliza ocupa un espacio de 0,2m²

Cod. 05.073.08

LAMPADA PORTATILE RICARICABILE A 3 + 1 LED di alta potenza
RECHARGEABLE PORTABLE LED LAMP 3 LED + 1 HIGH-POWER LED
LAMPE PORTABLE RECHARGEABLE A 3 + 1 LED de haute puissance
AUFLADBARE UND TRAGBARE LEISTUNGSSTARKE 3 + 1 LED -LAMPE
LÁMPARA PORTÁTIL RECARGABLE DE 3 + 1 LED de potencia elevada



Sistema di ricarica con tecnologia ad induzione *(nessun contatto tra lampada e caricatore*

3 Led ad alta potenza *(+ uno tipo torcia) foto A*

ROBUSTA (*classe di protezione III) foto B*

IMPERMEABILE *(classe isolamento IP 68) foto C*

Segnalazione visiva a 30 minuti di capacità residua delle batterie

Spegnimento automatico in caso di tensione batterie troppo bassa

Gancio a scomparsa

Controllo elettronico della carica *(La lampada può restare sempre inserita nel suo caricatore)*

Tempo medio di ricarica 4/5 ore.

Autonomia media ¾ ore

Dimensioni imballo 325x120x100 mm

Peso 0,9Kg

Recharging system with induction technology *(no contact between the lamp and the charger)*

3 high-power Led *(+ 1 torch-like)* Picture A

Strong *(III protection class)* picture B

WATER-PROOF *(Insulation class IP 68)* picture C

Visual signal emitted with residual battery power of 30 minutes

Automatic turn-off in case of extremely low battery voltage

Foldaway hook

Electronic control of the charge *(the lamp can be always plugged into the charger)*

Average recharge time 4/5 hours.

Average endurance ¾ hours

Packaging dimensions 325x120x100 mm

Weight 0,9Kg

Système de recharge avec technologie à induction *(aucun contact entre lampe et chargeur)*

3 Leds haute puissance *(+ un type torche)* photo A

Robuste *(class de protection III)* photo B

IMPERMÉABLE *(class isolation IP 68)* photo C

Affichage à 30 minutes de capacité résiduelle de la batterie

Éteignement automatique en cas de tension de la batterie trop basse

Crochets escamotable

Control électronique de la charge *(la lampe peut rester toujours branchée à son chargeur)*

Temps moyen de recharge 4/5 heures.

Autonomie moyenne 3/4 heures

Dimensions emballage 325x120x100 mm

Poids 0,9Kg

Ladesystem mit Induktions-Technologie *(kein Kontakt zwischen der Lampe und Ladegerät)*

3 hoch Leistung Led *(+ ein wie Taschenlampe)* Bild A

Robust *(Schutzklasse III)* Bild B

WASSERDICHT *(Isolierungsklasse IP 68)* Bild C

Optische Anzeige 30 Minuten Akkurestladung

Automatische Abschaltung wenn die Batteriespannung zu niedrig ist

Klapphaken

Elektronische Ladungskontrolle *(Die Lampe kann immer in ihrem Ladegerät bleiben)*

Durchschnittszeit von Ladung 4/5 Stunden.

Durchschnittsreichweite ¾ Stunden

Verpackungsdimensionen 325x120x100 mm

Gewicht 0,9Kg

Sistema de recarga con tecnología de inducción *(ningún contacto entre la lámpara y el cargador)*

3 Led de potencia elevada *(+ 1 tipo antorcha)*Foto A

Sólida *(clase de protección III)* foto B

IMPERMEABLE *(clase aislamiento IP 68)* foto C

Señalización visual hasta una capacidad residual de las baterías de 30 minutos

Apagado automático en caso de voltaje demasiado de las baterías

Gancho plegado

Controlo electrónico de la carga *(La lámpara puede estar siempre conectada a su cargador*)

Tiempo de recarga 4/5 horas.

Autonomía ¾ horas

Dimensiones embalaje 325x120x100 mm

Peso 0,9Kg

Cod. 05.073.13

Lampada magnetica orientabile con batterie al litio

Orientable magnetic lamp with lithium batteries

Lampe magnétique orientable avec batteries au lithium

Magnetische orientierbare Lampe mit Lithiumbatterie

Lámpara magnética orientable con baterías de litio

- ✔ 21 led + 5 ad alta efficienza
- ✔ Autonomia 4h
- ✔ Doppio gancio
- ✔ Batterie al litio-ion e caricabatterie incluso
- ✔ Base magnetica rotante (180°)

- ✔ 21 + 5 led with high efficiency
- ✔ 4h autonomy
- ✔ Double hook
- ✔ Lithium-Ion battery and charger included
- ✔ Rotating magnetic base (180°)

- ✔ 21 leds + 5 à haute efficience
- ✔ Autonomie 4h
- ✔ Double griffe
- ✔ Batteries au lithium et chargeur de batterie inclus
- ✔ Base magnétique tournante (180°)

- ✔ 21 + 5 Led mit hoher Effizienz
- ✔ 4 Stunden Autonomie
- ✔ Doppelhacken
- ✔ Lithium-Ionen-Akku und Ladegerät inbegriffen
- ✔ Magnetische drehbare Basis (180°)

- ✔ 21 led + 5 de eficiencia elevada
- ✔ Autonomía 4h
- ✔ Doble garra
- ✔ Baterías de litio-ion t recargador de baterías incluido
- ✔ Base magnética giratoria (180°)

Cod. 05.073.09

220V- 50Hz

LAMPADA A NEON PER OFFICINA

NEON LAMP FOR WORKSHOP

LAMPE NEON POUR GARAGE

NEONLAMPE FÜR WERKSTATT

LÁMPARA DE NEÓN PARA TALLER

Maggiore potenza (15 W)
con tubo neon sostituibile)

- ✓ impugnatura in gomma ergonomica e antiolio
- ✓ 5 mt di cavo con spina
- ✓ Isolamento IP45

Greater power (15 W)
with replaceable neon lighting)

- ✓ hergonomic and oil-proof rubber handle
- ✓ 5 mt of cable with plug
- ✓ Insulation IP45

Majeure puissance (15 W)
avec néon remplaçable

- ✓ poignée en caoutchouc ergonomique et anti-huile
- ✓ 5 mt de cable avec fiche
- ✓ Isolation IP45

Mehr Leistung (15 W)
mit auswechselbaren Neonröhre

- ✓ ergonomische Gummigriff und Anti-Öl
- ✓ 5 m Kabel mit Stecker
- ✓ Isolierung IP45

Mayor potencia (15 W)
con tubo de neón reemplazable)

- ✓ empuñadura ergonómica de goma antiaceite
- ✓ 5 mt di cable con enchufe
- ✓ Aislamiento IP45

LAMPADE A LED SOTTOPONTE
Migliore efficienza ed ergonomia nel tuo lavoro

LED LAMPS FOR AUTOMOTIVE LIFTS
Workplace ergonomics and efficiency

NEW

Cod. 05.073.14

2 lampade L=1234 mm
10W, 800 lumen
Alimentatore 20 W, cavo 8mt
Attacchi a vite inclusi

2 lighting units L=1234 mm
10W power consumption, 800 lumen
20W power supply unit, 8m cable
Complete suspension clips fitting

NEW

Cod. 05.073.15

4 lampade L=1630 mm
14W, 1100 Lumen
Alimentatore 80 W, cavo 8mt
Attacchi a vite inclusi

4 lighting units L=1630 mm
14W power consumption, 1100 Lumen
80W power supply unit, 8m cable
Complete suspension clips fitting

MADE IN EU

Luce bianca contrata su un angolo di 75° che illumina la zona sottoponte (fino a 4 lampade collegate in serie)
Potenza doppia rispetto ai neon di 36 E tradizionali
Si evita il riflesso
La lampada è orientabile per ottenere l'angolo ottimale
Il kit di montaggio permette di installare le lampade nelle posizioni a piacere
Estremità in alluminio nero anodizzato,
Resistente all'acqua e agli urti IP67
Ø 25 mm
Larghezza barra a led: 1234/1630 mm
800-1100 Lumen
100.000 ore di durata tecnica dei LED
5 anni garanzia
Made in EU
Kit disponibili: 05073.14/05073.15

White illumination at 75° concentrated beam angle for the automotive lifts (it is possible to connect up to 4 units which offers a flexible lighting solution)
Double illumination compared to traditional 36 W fluorescent tubes
Blinding during work is avoided
The lamp itself can be turned to provide the optimum lighting angle during work
Complete with all you need ready for mounting on your lift
End-covers in black anodized aluminum
Shock- and waterproof IP67
Ø 25 mm
Length: 1234/1630 mm
800-1100 Lumen
Technical lifetime of LEDs at least 100.000 hours
5 years guarantee
Made in EU
Available kits: 05073.14/05073.15

Cod. 05.073.07

Lampada a 14 led con lente,
alimentazione a 2 batterie 1,2V ricaricabili (non incluse)
o 220V con alimentatore

Led Lamp with lens,
power supply with 2rechargeable batteries 1,2V (not included)
or 220V with charger

Lampe à 14 leds avec lentille,
alimentation avec 2 batteries 1.2V rechargeables (pas fournies)
ou 220V avec alimentateur

14 led Lampe mit Linse,
Versorgung mit zwei 1,2V wiederaufladbäre Batterien (nicht inbegriffen)
oder 220V mit Energieleitung

Lámpara de 14 led con lente,
alimentación con 2 baterías 1,2V recargables (no incluidas)
o 220V con alimentador.

Cod. 05.073.10

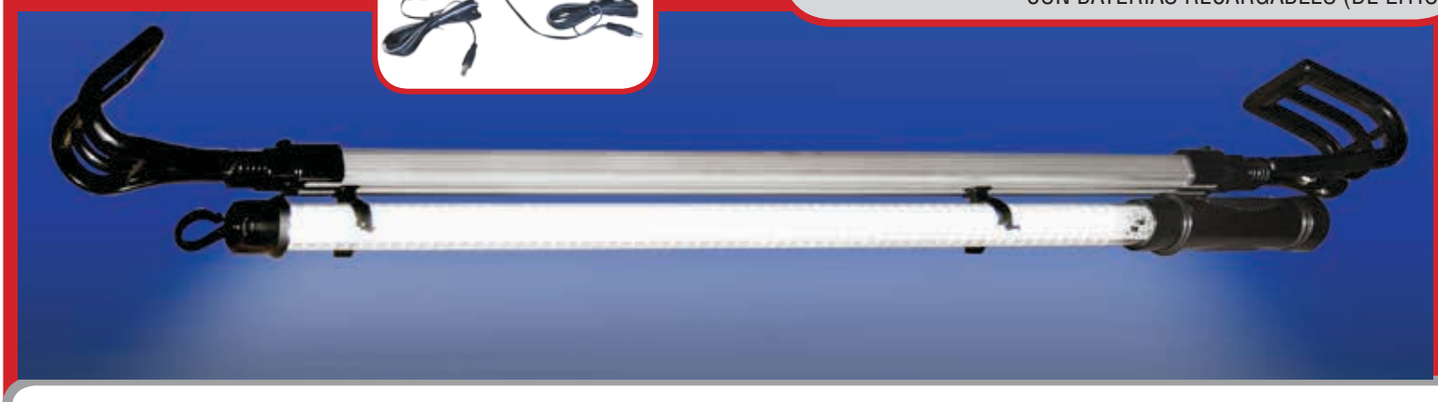
LAMPADA SOTTO COFANO A 128 LED
CON BATTERIE RICARICABILI (AL LITIO)

128 LED UNDER-BONNET LAMP
WITH RECHEARGEABLE BATTERIES (IN LITHIUM)

LAMPE SOUS CAPOT DU MOTEUR A 128 LED
AVEC BATTERIES RECHARGEABLE (AU LITHIUM)

128 LED LAMPE UNTER DER MOTORHAUBE,
MIT AUFLADBAREN BATTERIEN (LITHIUM)

LÁMPARA BAJO CAPÓ DE 128 LED
CON BATERÍAS RECARGABLES (DE LITIO)



- Regolabile in lunghezza (da 120 a 180cm)
- Ganci in nylon con rico pertura “soft”
- Caricabatteria automatico in dotazione (220V AC)

- Adjustable in length (from 120 to 180 cm)
- Nylon hooks with “soft” covering
- Equipped with automatic battery charger (220V AC)

- Réglable en longueur (de 120 à 180cm)
- Griffes en nylon avec couverture “soft”
- Chargeur de batterie automatique en dotation (220V AC)

- Längenregulierbar (von 120 bis 180cm)
- Nylonhaken mit “Soft” Umkleidung
- Komplett mit auto matschem Ladegerät (220V AC)

- Regulable en longitud (desde 120 hasta 180 cm)
- Ganchos de nylon con recubrimiento “soft”
- Recargabatería automático incluido (220V AC)

NEW

Cod. 03.029.39

VIDEOSCOPIO CON DOPPIA VIDEOCAMERA E SONDA DA 5,8 MM

DOUBLE CAMERA AND 5.8 MM PROBE VIDEOSCOPE

VIDÉOSCOPE AVEC SONDE DE 5,8 MM ET DOUBLE CAMÉRA

DOPPELKAMERA-VIDEOSKOP MIT DEM SONDENKOPF 5,8 MM

VIDEOSCOPIO DE DOBLE VIDEOCÁMARA Y SONDA DE 5,8 MM

- ✓ Schermo 3,5” TFT
- ✓ Selettore camera a 0° ed a 90° sulla sonda stessa
- ✓ Risoluzione 640X480 pixel
- ✓ Funzione : foto (jpeg), video, rotazione, zoom
- ✓ Software multilingue
- ✓ Batterie AC litio
- ✓ Cavo video incluso
- ✓ Scheda SD 4 GB inclusa

- ✓ 3,5” TFT display
- ✓ Camera selector at 0° and at 90° on the probe
- ✓ Resolution 640X480 pixel
- ✓ Function: snapshot (jpeg), video, rotation, zoom
- ✓ Multilingual software
- ✓ Lithium AC batteries
- ✓ Video cable included
- ✓ 4 GB SD card included

- ✓ Affichage 3,5” TFT
- ✓ Caméra sélecteur à 0° et à 90° sur la sonde
- ✓ Résolution de 640X480 pixels
- ✓ Fonction: image (jpeg), vidéo, rotation, zoom
- ✓ Logiciel multilingue
- ✓ Batteries AC au lithium
- ✓ Câble vidéo inclus
- ✓ Carte SD 4 GB inclus

- ✓ Displaz 3,5” TFT
- ✓ Kameraumschalter bei 0° und 90°auf der Sonde
- ✓ Auflösung 640X480 pixels
- ✓ Funktion : Foto (Jpeg), Video, Drehung, Zoom
- ✓ Mehrsprachige Software
- ✓ Baterías AC de litio
- ✓ Vedeo-Kabel inbegriffen
- ✓ SD-Speicherkarte, 4GB, inbegriffen

- ✓ Pantalla de 3,5” TFT
- ✓ Selector cámara de 0° y de 90° en la sonda
- ✓ Resolución 640X480 pixel
- ✓ Función : foto (jpeg), vídeo, rotación, zoom
- ✓ Software multilingüe
- ✓ Lithium-Batterie AC
- ✓ Cable de vídeo incluído
- ✓ Tarjeta SD de 4 GB incluída

ACCESSORI A RICHIESTA - ACCESSORIES ON REQUEST - ACCESORIOS BAJO PEDIDO - ACCESSOIRES SUR DEMANDE - ZUBEHÖR AUF ANFRAGE

NEW

Cod. 03.029.30

Sonda 1 mt Ø 5,5 MM
Per videoscopi serie 03.029.14

Probe 1 mt Ø 5.5 MM
For videoscopes 03.029.14

Sonde de 1 mt Ø 5,5 MM
Pour vidéoscopes 03.029.14

Sonde 1 mt Ø 5,5 MM
Für Videoskope 03.029.14

Sonda de 1 mt Ø 5,5 MM
Para videoscópios 03.029.14

Cod. 03.029.40

Sonda con doppia videocamera Ø 5,8 MM
Per videoscopi serie 03.029.14

Double-camera probe Ø 5.8 MM
For videoscopes 03.029.14

Sonde double caméra Ø 5,8 MM
Pour vidéoscopes 03.029.14

Sonde mit Doppelkamera Ø 5,8 MM
Für Videoskope 03.029.14

Sonda de doble cámara Ø 5,8 MM
Para videoscópios 03.029.14

Cod. 03.029.37

Sonda articolata 1 mt Ø 5,5 MM
Per videoscopi serie 03.029.14

Bewegliche Sonde 1 mt Ø 5.5 MM
Für Videoskope 03.029.14

Articulating head probe 1 mt Ø 5.5 MM
For videoscopes 03.029.14

Sonde avec tête de la sonde articulée de 1 mt Ø 5,5 MM
Pour vidéoscopes 03.029.14

Sonda con cabeza articulada de 1 mt Ø 5,5 MM
Para videoscópios 03.029.14

Cod. 03.029.41

Sonda 20 mt Ø 28 MM con lente e raccoglitore
Per ispezioni settore idraulica e termotecnica
Per videoscopi serie 03.029.14

Probe 20 mt Ø 28 MM with magnifying glass and cable collector
Suitable for plumbers and heater technical inspections
For videoscopes 03.029.14

Sonde20 mt Ø 28 MM mit der Linse und Kabelsammler
Zum Einsatz im thermohydraulischen Bereich.
Für Videoskope Serie 03.029.14

Sonde de 20 mt Ø 28 MM avec loupe et bobine de câble
Utilisable pour plombiers et inspection des chaudières
Pour vidéoscopes 03.029.14

Sonda de 20 mt Ø 28 MM con lupa y recogecables
Utilizable para inspecciones de plomeros y caldereros
Para videoscópios 03.029.14

VIDEOSCOPIO *Evolution*

Cod. 03.029.14

Ø 5,5mm L=1000

Cod. 03.029.33

Ø 4mm L=1000

Nuove prestazioni

- ❒ Sonda semirigida, resistente ad oli e abrasioni
- ❒ 4 led con illuminazione potenziata
- ❒ Maggiore velocità di ripresa in video e foto
- ❒ Memory card potenziata (fino 25.000 foto o video)
- ❒ Menu in 6 lingue (Italiano, English, Deutsch, Francais, Español. Portugues)
- ❒ Migliore qualità dei colori e risoluzione

New performances

- ❒ Semirigid probe, oil-proof and abrasion resisting
- ❒ 4 leds with powered light
- ❒ Faster video recording and picture taking
- ❒ Powered memory card *(up to 25.000 pictures or videos)*
- ❒ Menu in 6 languages *(Italiano, English, Deutsch, Francais, Español. Portugues)*
- ❒ Better quality of the colours and resolution

Nouvelles performances:

- ❒ Sonde semi-rigide, résistante à huile et abrasions
- ❒ 4 led avec illumination de majeur intensité
- ❒ Majeure vitesse d'enregistrement de vidéos et photos
- ❒ Memory card de majeur capacité *(jusqu'à 25.000 photos ou vidéos)*
- ❒ Menu en 6 langues *(Italiano, English, Deutsch, Francais, Español. Portugues)*
- ❒ Meilleure qualité des couleurs et de résolution

CARATTERISTICHE TECNICHE

- ✓ Ø 5,5mm di diametro
- ✓ Risoluzione dinamica 320x240 pixel
- ✓ 4 LED ad alta efficienza
- ✓ Video da 3.5" in vetro temperato resistente ad oli e abrasioni
- ✓ Lunghezza cavo flessibile= 1000/2000/3000mm
- ✓ Memorizza foto e video che può scaricare su pc o su video tv tramite porta USB.
- ✓ Memoria SD fino a 2 GB
- ✓ Specchio 90°/70°/110°
- ✓ Immagazzinamento immagini in formato jpeg
- ✓ 4 tasti per scorrimento menù
- ✓ Pacco batterie (al litio) ricaricabili
- ✓ Applicazioni: motori benzina e diesel auto e industriali,marini, aviazione, impianti a/c, lamierati, macchinari industriali in genere.
- ✓ Dimensioni: 200x117x37;
- ✓ Peso: 0,7 Kg

TECHNICAL FEATURES

- ✓ Diameter: Ø 5,5mm
- ✓ Dynamic Resolution 320x240 pixel
- ✓ 4 high-efficiency LED
- ✓ 3.5" screen in oil-proof and abrasion resisting tempered glass resistant
- ✓ Flexible hose length= 1000/2000/3000mm
- ✓ It stores pictures and video, which can be also downloaded to the pc or TV screen through USB port.
- ✓ SD memory card up to 2GB
- ✓ 90°/70°/110°Mirrors
- ✓ It stores jpeg pictures
- ✓ 4 keys to scroll the menu
- ✓ Rechargeable (lithium) battery pack
- ✓ Applications: gasoline and diesel engines of cars and industrial vehicles, boats, aviation, a/c systems, plates, industrial machineries.
- ✓ Dimensions: 200x117x37;
- ✓ Weight: 0,7 Kg

CARACTÉRISTIQUES TECHNIQUES

- ✓ Diamètre: Ø 5,5mm
- ✓ Résolution dynamique 320x240 pixel
- ✓ 4 LED à haute efficience
- ✓ Ecran de 3.5" en verre tempéré résistant aux huiles et aux abrasions
- ✓ Longueur du câble flexible= 1000/2000/3000mm
- ✓ Mémorisation de photos et images qu'on peut transférer sur PC ou sur vidéo TV avec porte USB.
- ✓ Mémoire SD jusqu'à 2GB
- ✓ Miroir à 90°/70°/110°
- ✓ Mémorisation des images en format jpeg
- ✓ 4 touches pour avancer le menu
- ✓ Paquet batteries (au lithium) rechargeables
- ✓ Applications: moteurs essence et diesel de voitures et camions, moteurs marins, aviation, et systems A/C, machines industrielles en général.
- ✓ Dimensions: 207x117x37;
- ✓ Poids: 0,7kg

Neue Leistungen

- ❒ Halbsteifer Fühler, resistent gegen Öle und Abnutzungen
- ❒ 4 led mit mehr Beleuchtung
- ❒ Mehr Aufnahmeschnelligkeit von Video und Photos
- ❒ Gesteigerte Memory card (bis zu 25.000 Photos oder Video)
- ❒ Fühler mit Kleinbildkamera von 90° (auf Wunsch)
- ❒ Menu in 6 Sprachen (Italiano, English, Deutsch, Francais, Español. Portugues)
- ❒ Mehr Qualität von den Farben und der Auflösung

ALLGEMEINE DATEN

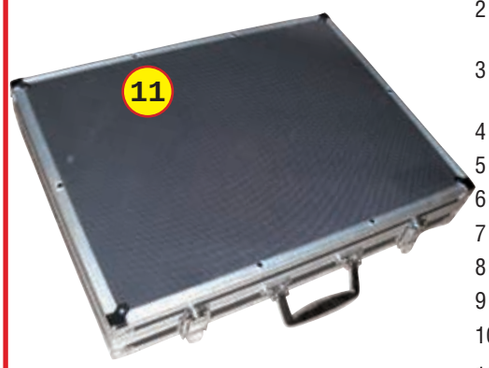
- ✓ Durchmesser: Ø 5,5mm
- ✓ Dynamische Auflösung: 320x240 Pixels
- ✓ 4 Hochleistungsfähigkeit LED
- ✓ Schirm von 3.5" aus Sekuritglas und resistent gegen Öle und Abnutzungen
- ✓ Flexibeles Kabe: Länge=1000/2000/3000mml
- ✓ Es merkt Photos und Video, die es am PC oder am Videoschirm durch USB Halter übertragen kann.
- ✓ Steuerung SD bis zu 2 GB
- ✓ 90°/70°/110° Spiegel
- ✓ Speicherung Bilder mit Format jpeg
- ✓ 4 Tasten für den Gleiten von das Menu
- ✓ Paket von ladbare Batterien (aus Lithium)
- ✓ Anwendungen: Benzin /Dieselmotor
  Autos und industrielle, maritime, Luftfahrt, Klimaanlagen aus Blech, industrielle Maschinen im Allgemeinen.
- ✓ Abmessungen: 207x117x37;
- ✓ Gewicht: 0,7 Kg

Nuevas prestaciones

- ❒ Sonda semirígida, resistente a los aceites y al desgaste por rozamiento
- ❒ 4 led con iluminación potenciada
- ❒ Mayor rapidez para grabar video y sacar fotografias
- ❒ Memory card potenciada (hasta 25.000 fotografias o videos)
- ❒ Menu en 6 idiomas (Italiano, English, Deutsch, Francais, Español. Portugues)
- ❒ Calidad de los colores y resolución más elevadas

DATOS TÉCNICOS

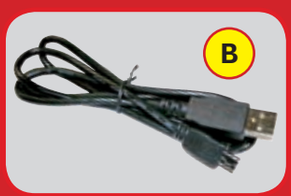
- ✓ Diámetro: Ø 5,5mm
- ✓ Resolución dinámica: 320x240 píxeles
- ✓ 4 LED de eficiencia elevada
- ✓ Pantalla de 3.5"de vidrio templado resistente a los aceites y al desgaste por rozamiento
- ✓ Longitud del cable flexible=1000/2000/3000mm
- ✓ Memoriza fotografías y vídeos, que se pueden descargar en el PC o en la pantalla TV a través del puerto USB.
- ✓ Memoria SD hasta 2GB
- ✓ Espejo 90°/70°/110°
- ✓ Memoriza imágenes en jpeg
- ✓ 4 teclas para deslizamiento menu
- ✓ Paquete de batería (litio) recargables
- ✓ Aplicaciones: motores de gasolina y diesel de coches y vehículos industria les, barcos, aviación,instalaciones a/c, planchas, maquinarias industriales.
- ✓ Dimensiones: 207x117x37;
- ✓ Peso: 0,7 Kg

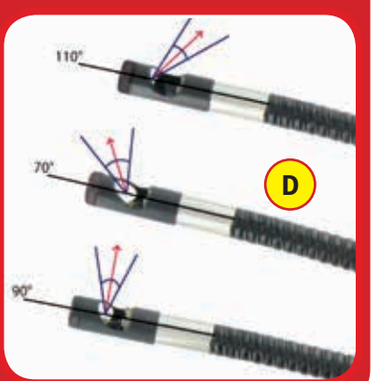


1	Porta USB / USB port
2	Regolazione illuminazione Light adjustment
3	Video TFT LCD 3,5" 3,5" TFT LCD screen
4	Tasti men / Menu keys
5	Tasto per foto / Snap shot
6	Tasto per video / Video recording key
7	ON/OFF
8	Vano SD card /SD card slot
9	Porta AV / AV port
10	Presa AC / AC jack
11	Valigetta per il trasporto / Transport case

Corredo standard / Standard equipment

A	Cavo AV / AV cable (2mt)	**D**	Specchio / Mirror 70° 90° 110°
B	Cavo USB / USB cable (USB 1.1/2.0)	**E**	SD card (1GB)
C	Caricabatteria / Battery charter		





Cod. 03.029.22

Videoscopio con testasonda articolata

Videoscope with articulated head probe

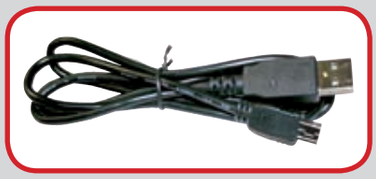
Vidéoscope avec tête de la sonde articulée

Videoskop mit beweglichem Sondenkopf

Videoscopio con sonda de cabeza articulada

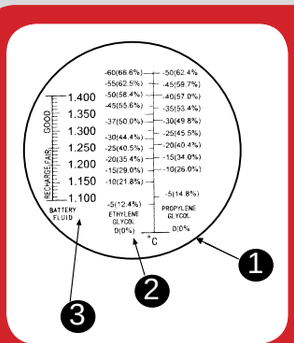
Caratteristiche tecniche:	Technical features:	Caractéristiques techniques:	Technische Daten:	Características técnicas:
✔ Ø 5,5mm;	✔ Ø 5,5mm;	✔ Ø 5,5mm;	✔ Ø 5,5mm;	✔ Ø 5,5mm;
✔ L = 1000	✔ L = 1000	✔ L = 1000	✔ L = 1000	✔ L = 1000
✔ Video TFT 3,5”	✔ Video TFT 3,5”	✔ Vidéo TFT 3,5”	✔ Video TFT 3,5”	✔ Video TFT 3,5”
✔ Risoluzione: 240x360dpi	✔ Resolution: 240x360dpi	✔ Résolution: 240x360dpi	✔ Auflösung: 240x360dpi	✔ Resolución: 240x360dpi
✔ Sonda rotante 360° (fig. C)	✔ 360° rotating probe (picture C)	✔ Sonde pivotante 360° (fig. C)	✔ Sondendrehung 360° (Bild C)	✔ Sonda giratoria de 360° (fig. C)
✔ Testina rotante ± 180° (fig. B)	✔ Rotating probe ± 180° (picture B)	✔ Tête pivotante ± 180° (fig. B)	✔ Sondenkopfdrehung ± 180° (Bild B)	✔ Cabeza giratoria ± 180° (fig. B)

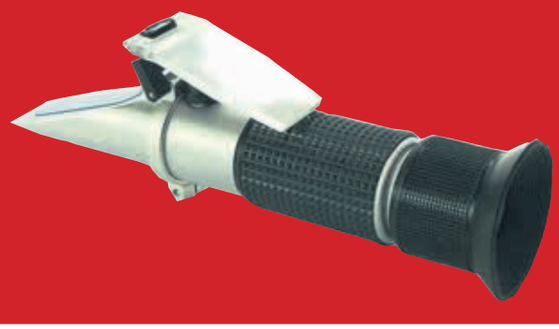
Dotazione standard:	Standard outfits:	Equipment standard:	Standard Ausstattung:	Equipo estándar:
videoscopio	videoscope	vidéoscopio	Videoskop	videoscopio
caricabatteria	battery charter	chargeur batteries	Ladegerät	recargabaterías
cavo TV	TV cable	câble TV	TV Kabel	cable TV
cavo USB	USB cable	câble USB	USB Kabel	cable USB
SD card (1GB)	SD card (1GB)	carte SD (1GB)	SD-Speicherkarte (1GB)	SD card (1GB)
3 specchi (70°, 90°, 110°)	3 mirrors (70°, 90°, 110°)	3 miroirs (70°, 90°, 110°)	3 Spiegel (70°, 90°, 110°)	3 espejos (70°, 90°, 110°)
1 magnete	1 magnet	1 calamite	1 Magnet	1 magneto
valigetta per il trasporto	transport case	Coffret de transport	Koffer	maletín para el transporte



"TRINO"

Cod. 04.051.00





REFRATTOMETRO MULTIFUNZIONI
MULTIFUNCTION REFRACTOMETER
RÉFRACTOMÈTRE MULTIFONCTIONS
MULTIFUNKTIONALE REFRAKTOMETER
REFRACTÓMETRO MULTIFUNCIÓN

Uno strumento professionale per il controllo di:

- densità dell'acido della batteria
- punto di congelamento del liquido refrigerante del motore
- punto di congelamento del liquido lavavetri.

1 Liquido Lavavetri
Freezing point of windscreen liquid
Liquide netoyage cristaux
Reinigungslösung für Scheibenwischanlage
Líquido lavaparbrisas

2 Liquido Antigelo
Antifreezing liquid
Liquide antigel
Frostschutzmittel
Líquido anticongelante

3 Acido Batteria
Battery acid
Acide des batteries
Batteriesäure
Ácido de las baterías

A professional instrument to test:

- Density of acid batteries
- Freezing point of windsceen liquid
- Freezing point of refrigerant liquid of motor

Un instrument professionnel pour le control de:

- Densité de l'acide des batteries
- Point de givrage du liquide dans le moteur
- Point de givrage du liquide nettoyage des cristaux

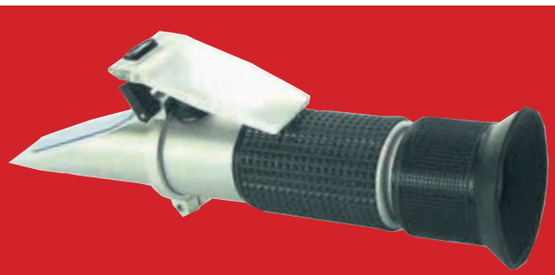
Ein Profi-Instrument zur Kontrolle von

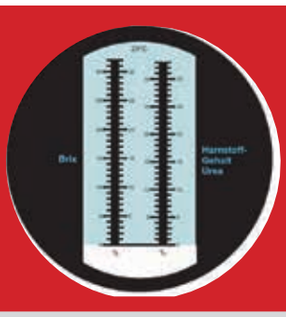
- Säuredichte von Batterien
- Gefrierpunkt des Kühlmittels des Motors
- Gefrierpunkt derReinigungslösung in der Scheibenwischanlage.

Un instrumento profesional para controlar:

- densidad del ácido de la batería
- punto de congelación del líquido refrigerante del motor
- punto de congelación del líquido lavaparbrisas

Cod. 04.051.01





REFRATTOMETRO PER UREA
REFRACTOMETER FOR UREA
REFRACTOMETRE POUR UREE
REFRAKTOMETER FÜR UREA
REFRACTÓMETRO PARA UREA

Permette di rilevare la concentrazione dell'urea nei serbatoi di autocarri dotati di dispositivo antinquinamento (AD BLUE).
2 scale 0-32%
Brix graduation 0,2%,
0-33% urea 0,2%
Compensazione automatica della temperatura

It enables to assess the urea concentration in the tanks of the trucks equipped with an anti-pollution device (AD BLUE).
2 scales 0-32%
Brix graduation 0,2%,
0-33% urea 0,2%
Automatic compensation of the temperature

Il peut relever la concentration d'urée dans le réservoir des camions dotés de dispositif antipollution (AD BLUE).
2 échelles 0-32%
Brix graduation 0,2%,
0-33% urée 0,2%
Compensation automatique de la température

Ermöglicht die Ermittlung der Urea Konzentration in LKW Tanks mit Schadstoffschutzvor-richtung (AD BLUE).
2 scale 0-32%
Brix graduation 0,2%,
0-33% urea 0,2%
Automatischer temperaturbereich

Permite detectar la concentración de urea en los tanques de los camiones equipado con un dispositivo anticontaminación (AD BLUE).
2 escalas 0-32%
Brix graduation 0,2%,
0-33% urea 0,2%
Compensación automática de la temperatura

Cod. 04.051.02

- misura gradi brix
-misura temperatura (°C/F)
-zero setting
-auto power off

- measure of brix gradutaion
- temperature measure (°C/F)
-zero setting
-auto power off

- mesure degrés brix
- mesure température (°C/F)
- zérotage
- éteignement automatique

REFRATROMETRO DIGITALE PER AD BLUE (UREA)
DIGITAL REFRACTOMETER FOR AD BLUE (UREA)
REFRACTOMETRE DIGITAL POUR AD BLUE (UREA)
DIGITALES REFRAKTOMETER FÜR AD BLUE (UREA)
REFRACTOMETRO DIGITAL PARA AD BLUE (UREA)

- Vermessung der Brix-Graduierung
- Temperaturvermessung (°C/F)
- Null-Einstellung
- autom. Sromabschaltung

- medición grados brix
- medición temperatura
- ajuste cero)
- autoapagaminento

SIR 1000

Cod. 04.014.01

TERMOMETRO DIGITALE A RAGGI INFRAROSSI CON DOPPIO PUNTATORE LASER
(-50/+1000°C - 58°/+1832°F)

DIGITAL INFRARED THERMOMETER WITH DOUBLE LASER POINTER
(-50/+1000°C - 58°/+1832°F)

THERMOMÈTRE DIGITAL À RAYONS INFRAROUGE AVEC DOUBLE POINTEUR LASER
(-50/+1000°C - 58°/+1832°F)

INFRAROTSRALENDIGITALTHERMOMETER MIT DOPPEL-LASERSENSOR
(-50/+1000°C - 58°/+1832°F)

TERMÓMETRO DIGITAL DE RAYOS INFRARROJOS CON DOBLE APUNTADOR LÁSER
(-50/+1000°C - 58°/+1832°F)

APPLICAZIONI

Automotive:
collettori di scarico; marmitte catalitiche; radiatori; motori marini.
Industriali:
forni; compressori; motori diesel; impianti industriali in genere; cabine di verniciatura; ecc.

USE

Automotive:
discharge manifolds; catalytic silencers; radiators; marine motors.
Industrial:
furnaces; compressors; diesel engines; general industrial plants; spray booths; ecc.

APPLICATION

Auto motive:
collecteur d'échappe-ment; marmites catalyque; radiateur; moteur marin.
Industriel:
four, compreseur, moteurs diesel; systèmes industriel en général; cabine de vernissage.

ANWENDUNGSBERICHE

Automobilbereich:
Auspuffsammler; Kataly-sator-Auspufftöpfe; Kühler; Bootsmotore
Industriebereich:
Öfen; Kompressoren; allgemeine; Diesel-motore; Industrieanlagen; Lackierkabien, usw.

USOS

Automoción:
colectores de descarga; catalizadores; radiadores; motores marinos.
Industriales:
hornos, compresores; motores diesel; instalaciones industriales, cabinas de pintura; ecc.

CARATTERISTICHE TECNICHE

Misura della temperatura senza contatto
Spegnimento automatico
Grado di emissività:
regolabile da 0,3 a 0,99
Rapporto distanza-dimensioni:12:1
Doppio puntatore laser
Data hold

TECHNICAL FEATURES

Non-contact temperature measurement
Operation Lock function
Emissivity
adjustable from 0.3 to 0.99
Dimension-distance ratio: 12:1
Double pointeur laser
Data hold

CARACTÉRISTIQUES TECHNIQUES

Rilevation de la température sans contact
L'appareil s'eteind automatiquement
Grade d'émissivité:
on le peut régler de 0.3 à 0.99
Dimension-distance fatio: 12:1
Double laser ponter
Data hold

TECHNISCHE EIGENSCHAFTEN

Temperaturmessung ohne Kontakt
Automatisches Aüsschalten
Strahlungsvermögen: regulierbar von 0,3 bis 0,99
Verhältnis Abstand-Abmessung: 12:1
Doppel-Laserpointer
Data hold

CARACTERÍSTICAS TÉCNICAS

Mediciòn de la temperatura sin contacto
Apagado automàtico
Grado de emisiòn:
regulable de 0,3 a 0,99
Relaciòn distancia-dimensiones: 12:1
Doble apuntador laser
Data hold

NEW

Cod. 04.013.05

Termometro digitale a raggi infrarossi con puntatore laser -32°/+380°

Digital infrared thermometer with laser pointer -32°/+380°

Thermomètre digital infrarouge avec pointeur laser -32°/+380°

Infrarot-Digital-Thermometer Laser Point -32°/+380°

Termometro de rayos infrarrosos con puntador laser -32°/+380°

Art. PT201
Cod. 04.052.00

TERMOMETRO A PENNA -50°/+150°C

Pern thermometer -50°/+150°C
Thermomètre à stylo -50°/+150°C
Stiftthermometer -50°/+150°C
Termómetro tipo bolígrafo -50°/+150°C

Cod. 04.020.00

ANEMOMETRO PORTATILE
con sensore temperature.
Idoneo per linee revisione.

PORTABLE ANEMOMETER
with temperature sensor.
Suitable for revision lines

ANÉMOMÈTRE PORTABLE
avec senseur température.
Idéel pour révisions

TRAGBARER ANEMOMETER
mit Temperatursensor.
Geeignet für Revisionslinien

ANÉMOMETRO MÓVIL
con sensor temperatura.
Apto para las líneas de revisión

Cod. 04.052.05

Termometro digitale differenziale
(per refrigerazione e condizionamento)

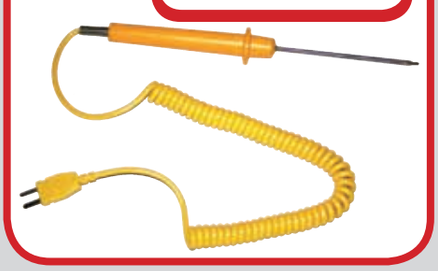
Digital differential thermometer
(for refrigeration and air conditioning)

Thermomètre numérique différentiel
(pour réfrigération et conditionnement)

Digitales Differential-Thermometer
(zum Kühlen und Klimatisieren)

Termómetro digital diferencial
(para refrigeración y aire acondicionado)

Cod. 04.052.02



Cod. 04.052.03

Caratteristiche tecniche

1. Antiurto
2. Compatibile con sonde a termocoppia di tipo K
3. Range: -50º/+1350 ºC
4. Completo di custodia, batteria, istruzioni e 2 sonde a filo

A richiesta sonda per:
aria 04.052.02
contatto 04.052.03

Technical features

1. Shock-resistant
2. Compatible with K-type thermocouple probe
3. Range: -50º/+1350 ºC
4. With case, battery, instruction manual and 2 wire-type probes included

On request probe for:
air 04.052.02
contact 04.052.03

Caractéristiques techniques

1. Antichoc
2. Compatible avec sondes à thermocouple de type K
3. Plage : -50º/+1350 ºC
4. Equipé de : étui, batterie, instructions et 2 sondes à fil

Sur demande sonde pour:
aire 04.052.02
contact 04.052.03

Technische Eigenschaften

1. Stoßfest
2. Kompatibel mit Thermoelementen Typ K
3. Bereich -50º/+1350 ºC
4. Komplett mit Etui, Batterie, Anleitungen und 2 Hitzdrahtsonden

Auf Anfrage Sonde für:
luft 04.052.03
kontact 04.052.02

Características técnicas

1. Antichoque
2. Compatible con sonda termopar de tipo K
3. Intervalo: -50º/+1350 ºC
4. Completo con estuche, batería, instrucciones y 2 sondas de hilo

Bajo pedido sonda para:
aire 04.052.02
contacto 04.052.03

NEW

Cod. 04.019.02

FONOMETRO DIGITALE CLASSE 1
con SD card e uscita USB

DIGITAL SOUND LEVEL METER
SD Card real time data logger

CARATTERISTICHE TECNICHE:

Misuratore del livello sonoro di classe 1

Le normative rispettate dal prodotto: IEC61672, ISO-9001, CE, IEC1010

Diametro esterno microfono standard 0.5”

Costanti di tempo Slow e Fast

Funzionamento facile ed innovativo, per la configurazione del software non è necessario il computer, il fonometro è dotato di serie di una memory card SD per il registro dei dati (anno / mese / giorno / ora / minuti / secondi) che si introduce nel lettore del computer per la lettura in formato Excel, l’utente può effettuare le ulteriori analisi grafici.

Campo di misura:	30 - 130 dB
Risoluzione:	0.1 dB
Funzioni:	dB (ponderazione A e C, costanti di tempo Fast e Slow, Hold Peak, Data Hold, Record (max, min)
Taratura VR:	taratura VR esterna integrata, facile da calibrare a 94 dB con il cacciavite. Taratura tramite calibratore acustico esterno (a richiesta)
Peso:	489 g / 1,08 LB
Dimensioni:	245 x 68 x 45 mm
Accessori inclusi:	manuale d’uso, valigetta rigida di trasporto, CA-06

Accessori opzionali:
- Calibratore del livello sonoro (94 dB)
- Cuffia antivento
- SD card (2 GB)
- Cavo USB, USB-01
- Software di acquisizione dati, SW-U801-WIN

TECHNICAL FEATURES

Frequency and time weighting Class 1

weighting networks comply with standards IEC61672, ISO-9001, CE, IEC1010

0.5” standard microphone head

Memory function to store the Max. & Min. value

Hold and Peak Hold functions
Innovation and easy operation, computer Is not need to setup extra software, after execute data logger, just take away the SD card from the meter and plug in the SD card into the computer, it can download all the measured values with the time information (year/month/date/hour/minute/second) to the Excel directly, then user can make the further data or graphic analysis by themselves

Measurement range:	30 - 130 dB
Resolution:	0.1 dB
Function:	dB (A & C frequency weighting Time weighting (Fast, Slow), Peak hold, Data hold, Record (Max., Min.)
Calibration VR: level	Build in external calibration VR, easy to calibrate on 94 dB by screw driver. Calibrated via external SOUND CALIBRATOR (optional)
Weight:	489 g/1,08 LB
Dimension:	245 x 68 x 45 mm
Accessories Included:	instruction manual, hard carrying case, CA-06

Optional accessories:
- Sound wind shield ball
- sound calibrator (94 dB)
- SD Card (2GB)
- USB cable, USB-01
- Data acquisition software, SW-U801-WIN.

SL 4001
Cod. 04.018.00

Fonometro classe 2 di precisione (IEC651)
Sound level meter class 2 (IEC651)
Phonomètre class 2 de précision (IEC651)
Schallmesser Klasse 2 (IEC651)
Fonómetro clase 2 (IEC 651)

SL 4012
Cod. 04.018.05

Fonometro classe 2 con RS232
Sound level meter class 2 with RS232
Phonomètre class 2 avec RS232
Schallmesser Klasse 2 mit RS232
Fonómetro clase 2 con RS232

SL 4022
Cod. 04.018.03

Fonometro classe 1
Sound level meter class 1
Phonomètre class 1
Schallmesser Klasse 1
Fonómetro clase 1

Cod. 04.018.06

Cavetto UPCB-2
per fonometro SL 4012,
incl. software

UPCB-2 cable for
the sound level meter SL 4012,
incl. Software

Câble UPCB-2 pour
phonomètre SL4012,
software inclus

Kabel UPCB-2 für
den Schallpegelmesser SL4012,
Software inbegriffen

Cable UPCB-2 para
fonómetro SL 4012
con software incluido

CARATTERISTICHE TECNICHE:

- Grande display LCD, facilmente leggibile;
- Funzioni principali conformi alla norma IEC 651 classe 2 (04.018.00) o classe 1 (04.018.03);
- Curve di pesatura A e C conformi agli standard internazionali;
- Modalità FAST e SLOW per le costanti di tempo;
- Uscite AC/DC per espansione del sistema;
- Taratura VR eseguibile dall'esterno;
- Funzione MAX HOLD per memorizzare il valore massimo;
- Contenitore in ABS antiurto
- Uscita seriale RS232 (solo 04.018.02)

TECHNICAL FEATURES:

- Large LCD display, easy to read;
- Frequency weighting networks in conformity with the norm IEC 651 class 2 (04.018.00) or class 1 (04.018.03);
- A&C weighting networks in conformity with international standards;
- Time weighting (FAST and SLOW) dynamic characteristic models;
- AC/DC outputs for system expansion;
- VR Calibration, performable externally;
- MAX HOLD function for memorization of the maximum value;
- ABS-plastic protection case.
- Serial outlet RS232 (04.018.02 only)

CARACTERISTIQUE TECHNIQUES:

- Grand afficheur LCD, lecture facilitée;
- Fonctions principales en conformité selon les normes IEC 651 class 2 (04.018.00) ou class 1 (04.018.03);
- Courbes de pesage A et C en conformité aux standards internationaux;
- Modalité FAST et SLOW pour les constants du temps;
- Sortie AC/DC pour expansion du système;
- Calibrage VR effectué de l'extérieure;
- Fonction MAX HOLD pour mémoriser la valeur maximale;
- Coffret antichoc ABS.
- Sortie sérielle RS232 (seulement 04.018.02)

TECHNISCHE MERKMALE:

- Großer LCD Bildschirm, leicht lesbar;
- Hauptfunktionen in normgemäßer Ausführung nach IEC 651 Klasse 2 (04.018.00) oder Klasse 1 (04.018.03);
- Wägekurven A und C nach internationalen Standards;
- FAST und SLOW Modalitäten für die Zeitkonstanten;
- AC/DC Ausgänge für Systemerweiterung;
- VR Eichung von außen durchführbar;
- MAX HOLD Funktion zum Speichern des Höchstwertes;
- Stoßfestes ABS Gehäuse
- Serialausgang RS232 (nur 04.018.02)

DATOS TÉCNICOS:

- Pantalla LCD de un tamaño grande que se lee con facilidad;
- Funciones principales de conformidad con IEC 651 clase 2 (04.018.00) o clase 1 (04.018.03);
- Líneas de peso A y C de conformidad con los estándares internacionales;
- Modalidad FAST y SLOW para las costantes de tiempo;
- Salidas AC/DC para la expansión del sistema;
- Calibración VR efectuable del externo;
- Función MAX HOLD para memorizar el valor máximo;
- Maletín de ABS antichoque
- Salida serial RS232 (sólo 04.018.03)

GAMMA CARRELLI PORTAUTENSILI 2013-2014
2013-2014 TOOL TROLLEY COLLECTION
GAMME DE CHARIOTS PORTE-OUTILS 2013-2014
WERKSTATTWAGEN-SORTIMENT 2013-2014
GAMA DE CARROS PARA UTENSILIOS 2013-2014

Cod. 05.088.06

Carrello 7 cassetti con pacchetto attrezzi "PROFI" (163 pz.) incluso
7-drawer trolley with "PROFI" tool pack (163 pcs.) included
Chariot 7 tiroirs, paquet d'outils "PROFI" (163 pcs.) inclus
Werkstattwagen mit 7 Schubladen, Werkzeug-Paket (163 Stk.) inbegriffen
Carro 7 cajones con paquete de herramientas "PROFI" (163 pzas.) incluído

mm 790 A
mm 490 B
mm 1010 C

mm 770 A
mm 465 B
mm 970 C

Pacchetto attrezzi "PROFI" (163 pz.)

"PROFI" tool pack (163 pcs.)

Paquet d'outils "PROFI" (163 pcs.)

Werkzeug-Paket "PROFI" (163 stk.)

Paquete de herramientas "PROFI" (163 pzas.)

Cod. 05.088.42

Carrello 8 cassetti con pacchetto attrezzi “PROFI” (163 pz.) incluso
8-drawer trolley with “PROFI” tool pack (163 pcs.) included
Chariot 8 tiroirs, paquet d'outils “PROFI” (163 pcs.) inclus
Werkstattwagen mit 8 Schubladen, Werkzeug-Paket (163 Stk.) inbegriffen
Carro 8 cajones con paquete de herramientas “PROFI” (163 pzas.) incluído

8

7
75mm

1
130mm

ABS TOP

TOTAL

SINGLE

4

2

77

mm 880 A
mm 490 B
mm 1050 C

mm 800 A
mm 490 B
mm 1000 C

Cod. 05.088.05

Carrello vuoto
Empty trolley
Chariot vide
Werkstattwagen, leer
Carro vacío

Cod. 05.088.41

Carrello 7 cassetti con pacchetto attrezzi "BASIC" (124 pz.) incluso
7-drawer trolley with "BASIC" tool pack (124 pcs.) included
Chariot 7 tiroirs, paquet d'outils “BASIC” (124 pcs.) inclus
Werkstattwagen mit 7 Schubladen, Werkzeug-Paket “BASIC” (124 stk.) inbegriffen
Carro 7 cajones con paquete de herramientas “BASIC” (124 pzas.) incluído

7

4
65mm

2
101mm

1
137mm

mm 775 A
mm 520 B
mm 880 C

mm 688 A
mm 458 B
mm 885 C

ABS TOP

TOTAL

1

69

2

Cod. 05.088.00

Carrello vuoto
Empty trolley
Chariot vide
Werkstattwagen, leer
Carro vacío

pacchetto attrezzi "BASIC" (117 pz.)
"BASIC" tool pack (117 pcs.)
paquet d'outils “BASIC” (117 pcs.) Werkzeug-Paket “BASIC” (117 stk.)
paquete de herramientas “BASIC” (117 pzas.)

Cod. 05.088.44

Carrello 7 cassetti (vuoto)
7-drawers tool trolley (empty)
Chariot 7 tiroirs (vide)
Werkstattwagen mit 7 Schubladen (leer)
Carro 7 cajones (vacío)

NEW

7

5
75mm

TOTAL

2
153mm

2

1

ABS TOP

C A B
mm 678 A
mm 520 B
mm 860 C

mm 678 A
mm 460 B
mm 1030 C

Kg
43

Cod. 05.088.40

Carrello 5 cassetti (vuoto)
5-drawers tool trolley (empty)
Chariot 5 tiroirs (vide)
Werkstattwagen mit 5 Schubladen (leer)
Carro 5 cajones (vacío)

5

5
100mm

2

TOTAL

1

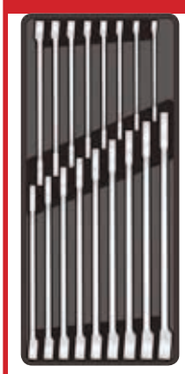
RUBBER TOP

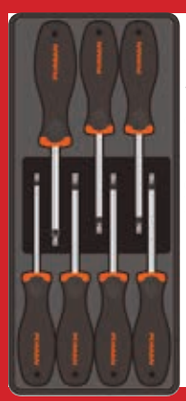
C A B
mm 680 A
mm 385 B
mm 730 C

mm 615 A
mm 330 B
mm 762 C

Kg
27,2

NEW

	Profi	Basic
56-pc 1/4" Dr.Sockets & Accessories Set bussole a cricchetto 1/4" 56pz	●	●
19-pc 1/2" Dr.Sockets & Accessories Set bussole a cricchetto 1/2" 19pz	●	●
16-pc 1/2" Dr. Deep Sockets Set bussole a lunghe 1/2" 16pz	●	—
 17-pc Combination Spanner 6-22mm Chiavi combinate da 6-22mm, 17 pz	●	●
8-pc Spanner 6-22mm Chiavi poligonali a doppia curva da 8/22 mm, 8 pz	●	●

	Profi	Basic
6-pc Flare Wrenches 6 to 24mm Set chiavi per tubi freno 6-24mm, 6 pz	●	—
Set Hexagonal keys short/long Set Torx keys short/long) set di chiavi esagonali corte e lunghe Set di chiavi torx corte e lunghe	●	●
 7-pc Torx Screwdrivers Set 7 cacciaviti, tipo Torx	●	—
8-pc Slotted and Philips Screwdrivers Set 8 cacciaviti taglio a croce, 8 pz	●	●
7-pc Slotted and Philips Impact Screwdrivers Set 7 cacciaviti taglio/croce ad impatto, 7 pz	●	—

	Profi	Basic
5-pc 8" Files Set 5 lime 8"	●	—
3-pc Pliers Set 3 pinze tronchesi	●	●
2-pc 10"Pliers 2 pinze coccodrillo fermalamiera	●	●
4-pc 6"Circlip Pliers Set 4 pinze per seeger	●	—
2-pc Mechanical Hammer & Mallet Martello e mazzuolo	●	—

CRICCHI A CARRELLO SERIE PROFESSIONAL

LOW PROFILE SERVICE JACK PROFESSIONAL SERIES

Cod. 05.084.01

NEW

Portata/capacity: 2,5 tons

Min. altezza/height: 85 mm

Max. altezza/height: 455 mm

Ruote in nylon/piattello in gomma
nylon wheels/ rubber pad

Dimensioni/dimensions: 640x342x174mm

Peso/weight: 34,8 kg

Ruote in Nylon
Nylon wheels

Cod. 05.087.06

NEW

CARRELLO SPOSTAMENTO VETTURE INCIDENTATE
HYDRAULIC VEHICLE POSITIONING JACK

Capacità: 600 kg
Max/Min apertura: 650÷300mm
Peso: 19 kg

Capacity: 600 kg
Max/min width: 600 kg
Weight: 19 kg

Cod. 05.084.03

NEW

Portata/capacity: 2 tons
Min. altezza/height: 76 mm
Max. altezza/height: 510 mm
Dimensioni/dimensions: 1006x365x136mm
Peso/weight: 42 kg

Ruote in Nylon
Nylon wheels

Pratico vassoio porta attrezzi
Pratical tray for carryi

Ruote gemellate di serie in Nylon
double front wheel (standard)-Nylon

Tampone in gomma
Rubber pad for the saddle

Cod. 05.084.02

NEW

Ruote in Nylon
Nylon wheels

Portata/capacity: 3 tons

Min. altezza/height: 95 mm

Max. altezza/height: 455 mm

Doppio piston/double piston

Ruote in nylon/piattello in gomma (nylon wheels/ rubber pad)

Dimensioni/dimensions:
780x366x160mm

Peso/weight: 46 kg

Cod. 05.085.01

COPPIA DI CAVALLETTI DA 3T
COUPLE OF 3T JACK STANDS
COUPLE DE PYLONES DE 3T
PAAR VON 3 T STÜTZBÖCKEN
GATOS DE 3T

Altezza max/min:	Max/min height:	Hauteur max/	Max./min. Höhe:	Altura max/min:
428/298mm	428/298mm	min: 428/298mm	428/298mm	428/298mm
Peso: 7,5 kg	Weight: 7,5 kg	Poids: 7,5 kg	Gewicht: 7,5 kg	Peso: 7,5 kg
Scatola	Packaging box:1	Boite	Packungskar-	Caja embalaje: 1
imballo: 1		emballage: 1	ton: 1	

Cod. 05.085.00

COPPIA DI CAVALLETTI DA 6T
COUPLE OF 6T JACK STANDS
COUPLE DE PYLONES DE 6T
PAAR VON 6T STÜTZBÖCKEN
GATOS DE 6T

Altezza max/min:	Max/min height:	Hauteur max/min:	Max./min. Höhe:	Altura max/min:
610/400mm	610/400mm	610/400mm	610/400mm	610/400mm
Peso: 14,6 kg	Weight: 14,6 kg	Poids : 14,6 kg	Gewicht: 14,6 kg	Peso: 14,6 kg
Scatola imballo: 1	Packaging box: 1	Boite emballage: 1	Packungskarton: 1	Caja embalaje: 1

Cod. 05.090.10

Moltiplicatore di coppia per smontaggio bulloni di camion e furgoni

Multiplier-couple for the disassembly of the truck and van bolts

Multiplicateur de couple pour démontage boulons de camions et fourgons

Multiplikator-Paar zur Demontage der LKW- und Lieferwagen-Bolzen

Multiplicador de par para desmontaje bulones de camiones y furgonetas

NEW

Cod. 05.090.13

- Coppia massima: 3800 Nm
- Rapporto riduzione: 1:56
- Incluse 7 bussole chrome vanadium da 24 a 38 mm (05.090.10)

- Maximum torque 3200 Nm
- Gear ratio: 1:56
- Including 7 sockets chrome vandadium from 24 to 38 mm (05.090.10)

- Maximales de couple: 3200 Nm
- Rapport de transmission: 1:56
- Compris 7 coupelles chrome vanadium de 24 a 38 mm (05.090.10)

- Max. Drehmoment: 3800 Nm
- Übersetzungsverhältnis: 1:56
- 7 Buchsen aus Chrom-Vanadium-Stahl von 24 bis 38 mm (05.090.10)

- Par máximo: 3200 Nm
- Relación de transmisión: 1:56
- 7 casquillos chrome vanadium desde 24 hasta 38 mm (05.090.10)

Cod. 05.088.30

CASSETTIERA PORTA UTENSILI PORTATILE
PORTABLE TOOL
CHIFFONINIER PORTE-OUTILS PORTABLE
WERKSTATTWAGEN
CÓMODA ASSETTIERA PORTAHERRAMIENTAS MÓVIL

6 cassetti, chiusura centralizzata e maniglie di trasporto

6 drawers, centralized lock and carrying handles

6 tiroirs, fermeture centralisée et poignés de transport.

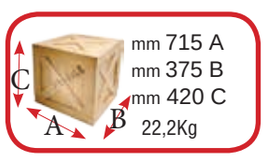
6 Schubfächern, Zentralverriegelung und Fahrgriff

6 cajones, cierre centralizado y garras de transporte.

179x287x50,5

581,5x287x50,5

581,5x287x75,5



Cod. 05.083.00

SDRAIOTTO SOTTO MACCHINA
HEAVY DUTY CREEPERS
COUCHETTE DE TRAVAIL
KFZ MECHANIKER ROLLBRETT
CAMILLA DE MECÁNICO

- cuscino poggiatesta regolabile per il massimo comfort di lavoro
- supporto in acciaio da 1” per applicazioni pesanti
- cuscino supporto schiena da 1”; supporto testa da 2”
- 6 ruote piroettanti in gomma antiolio

Misure: 1020x430x180mm

- adjustable pneumatic headrest for maximum head and shoulder comfort
- features 1” steel tube frame for extras trength in heavy duty applications
- 1” thick padding on bed; 2” thick padding on headrest
- 6 pivoting wheels (anti-oil corrosion)

Size: 1020x430x180mm

- Coussin tête réglable pour en haut confort de travail
- support en acier de 1” pour applications lourds
- coussin à dos de 1”; coussin tête de 2”
- 6 rouelles pivotantes en gomme anti-glissage

Mesure: 1020x430x180mm

- Mit verstellbarem Kopfpolster für hohen Arbeitskomfort
- 1” Stahlstützrahmen für schwierige Eingriffe
- 1” Rückenpolster; 2” Kopfpolster
- 6 Rollen aus Anti-oil Gummi

Abmessungen: 1020x430x180mm

- Almohada reposacabeza regulable para un elevado comfort
- soporte en acero de 1” para trabajos fuertes
- respaldo acolchado de 1”, reposacabeza de 2”
- 6 ruedas giratorias de goma anti-aceite

Dimensiones: 1020x430x180mm

Cod. 05.083.01

Plastica di alta densità
High-density polyethylene

Molto resistente
High resistance

Colore rosso
Red

Capienza 150 kg
Max. weight load 150 kg

Ruote rinforzate di gomma
Reinforced rubber wheels

Misure (cm): 102x12xh48cm
Size (cm): 102x12xh48

Cod. 05.086.00

LINEA EASY STEP

Scale per la manutenzione industriale e l'assistenza tecnica in genere
Ladders for industrial maintenance and general technical assistance

Compatta
(95cm di altezza minima)
Si chiude e si apre in un minuto
Altezza massima 3,80 mt
Nuovo modello con
dispositivo "salvadita"

Compact
(95cm minimum height)
You open and close it in 1 minute
Maximum height 3,80 mt
New model with
"finger-saving" device

ATTREZZATURE A NORMA
EN131
IN COMPLIANCE WITH

Cod. 05.086.05

Easy Step Home

Per uso privato o professionale
For private and professional use

Altezza massima: 2,60mt	Maximum height: 2,60mt
Altezza minima: 83cm	minimum height: 83cm
Portata: 150kg	Capacity: 150kg
Peso:6kg	Weight: 6kg

ATTREZZATURE A NORMA
EN131
IN COMPLIANCE WITH

Cod. 05.086.04

Scala multiposizione
Multi-position ladder

Altezza massima: 3.1 mt	Maximum height: 3.1 mt
Altezza minima: 1.03 mt	Minimum height: 1.03 mt
No. Scalini: 4x3	Nr. of steps: 4x3
Base appoggio: 470 mm	Standing base: 470 mm
Portata: 150 kg	Capacity: 150 kg
Peso: 12 kg	Weight: 12 kg

ATTREZZATURE A NORMA
EN131
IN COMPLIANCE WITH

Cod. 05.088.19

Cod. 05.088.20

Cod. 05.088.02

Cod. 05.088.21

Descrizione Description	Codice Code	Materiale Material	Portata Capacity	Dimensioni Dimensions	Peso Weight	Ruote Wheels
Carrello 3 piani pesante Heavy trolley with 3 shelves	05.088.20	Alluminio/ABS Aluminum/ABS	250 kg	750x460x980mm	10,9kg	Ø150mm + 2 freni/ brakes
Carrello 3 piani leggero Light trolley with 3 shelves	05.088.21	Alluminio/ABS Aluminum/ABS	100 kg	575x460x900mm	6,8kg	Ø80mm + 2 freni/ brakes
Carrello 2 piani +2 cassetti Trolley with 2 shelves +2 drawers	05.088.19	Alluminio/ABS Aluminum/ABS	200 kg	850x480x950mm	18,5kg	Ø100mm + 2 freni/ brakes
Carrello 3 piani pesante Heavy trolley with 3 shelves	05.088.02	Acciaio Steel	100 kg	765x365x815mm	20kg	Ø100mm + 2 freni/ brakes

Cod. 05.088.03

Cod. 05.088.26

Cod. 05.088.17

Cod. 05.088.25

Cod. 05.088.18

Descrizione Description	Codice Code	Materiale Material	Portata Capacity	Dimensioni Dimensions	Peso Weight	Ruote Wheels
Carrello multiuso 70 kg Multi-purpose trolley 70 kg	05.088.03	Acciaio Steel	70 kg	725x430x60mm	11kg	Ø150mm
Carrello multiuso 180 kg Multi-purpose trolley 180 kg	05.088.17	Alluminio Aluminum	180 kg	605x615x1270mm	11,5kg	Ø200mm
Carrello multiuso trasformabile Multi-purpose transformable trolley	05.088.18	Alluminio Aluminum	350 kg	1120x530x1045mm	17,5kg	Ø250mm
Piattaforma mobile Movable platform	05.088.25	Acciaio Steel	100 kg	730x475x835mm	8,1kg	Ø100mm
Piattaforma mobile pesante Heavy movable platform	05.088.26	Acciaio Steel	270 kg	880x620x1000mm	25kg	Ø200mm

Cod. 05.087.03

Coppia rampe in alluminio
151x24x5cm
Peso: 7kg (9,5 kg con imballo)
Portata: 400 kg

Pairs of aluminum ramp
151x24x5cm
Weight: 7kg (9,5 kg with packaging)
Capacity: 400 kg

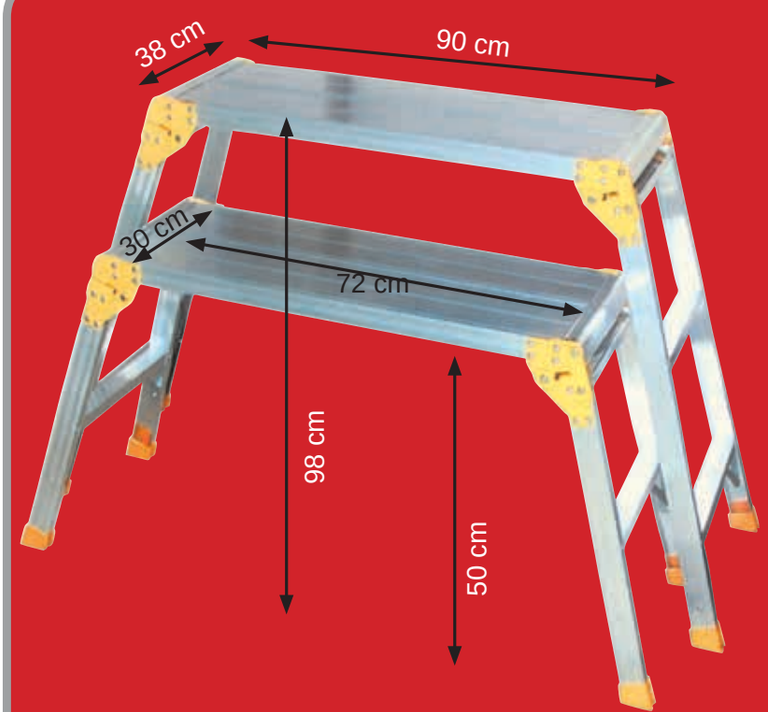
Cod. 05.087.04

Rampa richiudibile e trasportabile
123x38x8cm
Peso: 9,5kg (11,5 kg con imballo)
Portata: 270 kg

Closable and portable ramp
123x38x8cm
Weight: 9,5kg (11,5 kg with packaging)
Capacity: 270 kg

Cod. 05.087.05

"EASY PLANE"
COPPIA PEDANE



Pedane in alluminio per uso in:
carrozzerie / officine meccaniche / condizionamento civile / edilizia/manutenzione in genere.
Portata: 150 kg

Steel footboard to be used in car repairers'/mechanical workshops/civil air conditioning/building/general maintenance. Capacity: 150 kg

Plateforme en aluminium utilisable dans les carrosseries/ atelier de mécanique/ conditionnement civile/ bâtiment/maintenance générale.
Portée: 150 kg

Alu-Trittbrett für den Einsatz in Karosseriewerkstätten/ Mechanikerwerkstätten/ im Klimabereich/ Bauwesen/ bei der Instandhaltung im Allgemeinen.
Tragfähigkeit: 150 kg

Plataforma de aluminio para carrocerías / talleres mecánicos / acondicionamiento civil / construcción / mantenimiento. Capacidad: 150 kg